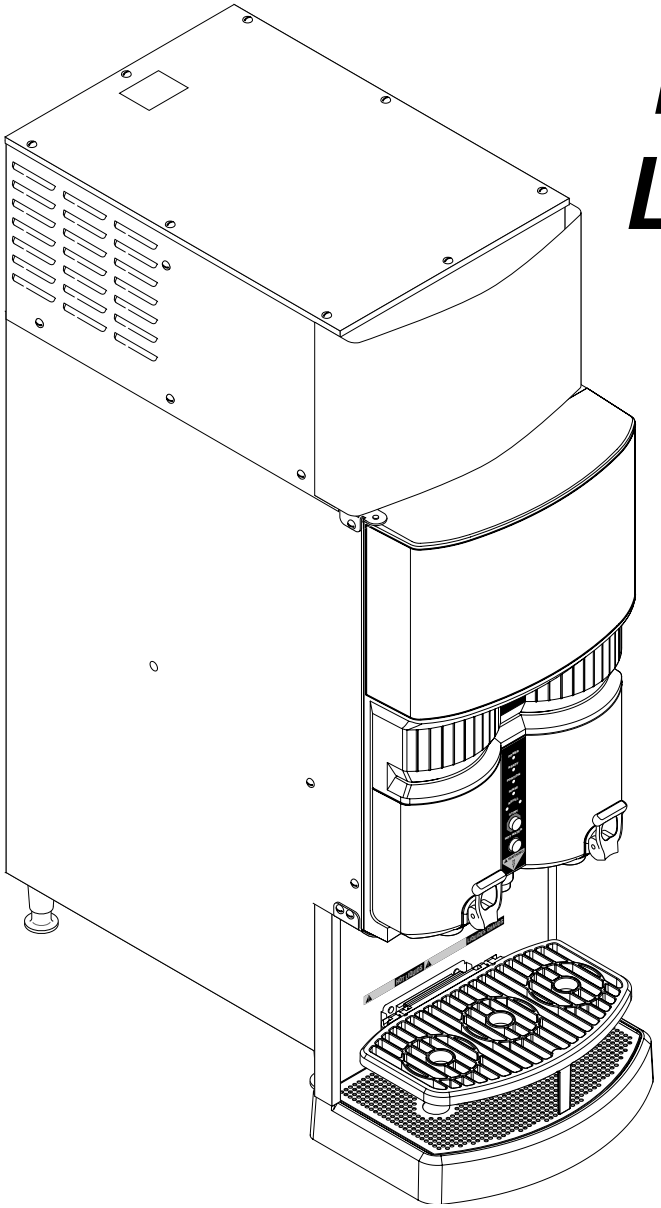
BUNN®

LCR-2
LCR-2A
LCR-2 PC
LCR-2A PC

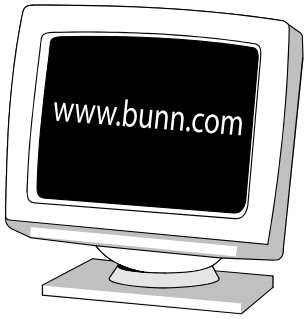


ILLUSTRATED PARTS CATALOG

Designs, materials, weights, specifications, and dimensions for equipment or replacement parts are subject to change without notice.

BUNN-O-MATIC CORPORATION

POST OFFICE BOX 3227
SPRINGFIELD, ILLINOIS 62708-3227
PHONE: (217) 529-6601 FAX: (217) 529-6644



36027.0001B 06/14

©2012 Bunn-O-Matic Corporation\

DIR Num: 36027.0001 15, July 2014

BUNN-O-MATIC COMMERCIAL PRODUCT WARRANTY

Bunn-O-Matic Corp. ("BUNN") warrants equipment manufactured by it as follows:

1) Airpots, thermal carafes, decanters, GPR servers, iced tea/coffee dispensers, MCR/MCP/MCA single cup brewers, thermal servers and ThermoFresh® servers (mechanical and digital) 1 year parts and 1 year labor.
2) All other equipment - 2 years parts and 1 year labor plus added warranties as specified below:
a) Electronic circuit and/or control boards - parts and labor for 3 years.
b) Compressors on refrigeration equipment - 5 years parts and 1 year labor.
c) Grinding burrs on coffee grinding equipment to grind coffee to meet original factory screen sieve analysis - parts and labor for 4 years or 40,000 pounds of coffee, whichever comes first.

These warranty periods run from the date of installation BUNN warrants that the equipment manufactured by it will be commercially free of defects in material and workmanship existing at the time of manufacture and appearing within the applicable warranty period. This warranty does not apply to any equipment, component or part that was not manufactured by BUNN or that, in BUNN's judgment, has been affected by misuse, neglect, alteration, improper installation or operation, improper maintenance or repair, non periodic cleaning and descaling, equipment failures related to poor water quality, damage or casualty. In addition, the warranty does not apply to replacement of items subject to normal use including but not limited to user replaceable parts such as seals and gaskets. This warranty is conditioned on the Buyer 1) giving BUNN prompt notice of any claim to be made under this warranty by telephone at (217) 529-6601 or by writing to Post Office Box 3227, Springfield, Illinois 62708-3227; 2) if requested by BUNN, shipping the defective equipment prepaid to an authorized BUNN service location; and 3) receiving prior authorization from BUNN that the defective equipment is under warranty.
THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The agents, dealers or employees of BUNN are not authorized to make modifications to this warranty or to make additional warranties that are binding on BUNN. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.
If BUNN determines in its sole discretion that the equipment does not conform to the warranty, BUNN, at its exclusive option while the equipment is under warranty, shall either 1) provide at no charge replacement parts and/or labor (during the applicable parts and labor warranty periods specified above) to repair the defective components, provided that this repair is done by a BUNN Authorized Service Representative; or 2) shall replace the equipment or refund the purchase price for the equipment.
THE BUYER'S REMEDY AGAINST BUNN FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF THIS EQUIPMENT, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED, AT BUNN'S SOLE OPTION AS SPECIFIED HEREIN, TO REPAIR, REPLACEMENT OR REFUND.

In no event shall BUNN be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer's customers, cost of capital, cost of down time, cost of substitute equipment, facilities or services, or any other special, incidental or consequential damages.

392, A Partner You Can Count On, Air Infusion, AutoPOD, AXIOM, BrewLOGIC, BrewMETER, Brew Better Not Bitter, BrewWISE, BrewWIZARD, BUNN Espress, BUNN Family Gourmet, BUNN Gourmet, BUNN Pour-O-Matic, BUNN, BUNN with the stylized red line, BUNNlink, Bunn-OMatic, Bunn-O-Matic, BUNNserve, BUNNSERVE with the stylized wrench design, Cool Froth, DBC, Dr. Brew stylized Dr. design, Dual, Easy Pour, EasyClear, EasyGard, FlavorGard, Gourmet Ice, Gourmet Juice, High Intensity, iMIX, Infusion Series, Intellisteam, My Café, Phase Brew, PowerLogic, Quality Beverage Equipment Worldwide, Respect Earth, Respect Earth with the stylized leaf and coffee cherry design, Safety-Fresh, savemycoffee.com, Scale-Pro, Silver Series, Single, Smart Funnel, Smart Hopper, SmartWAVE, Soft Heat, SplashGard, The Mark of Quality in Beverage Equipment Worldwide, ThermoFresh, Titan, trifecta, TRIFECTA (sylized logo), Velocity Brew, Air Brew, Beverage Bar Creator, Beverage Profit Calculator, Brew better, not bitter., Build-A-Drink, BUNNSource, Coffee At Its Best, Cyclonic Heating System, Daypart, Digital Brewer Control, Element, Milk Texturing Fusion, Nothing Brews Like a BUNN, Picture Prompted Cleaning, Pouring Profits, Signature Series, Sure Tamp, Tea At Its Best, The Horizontal Red Line, Ultra are either trademarks or registered trademarks of Bunn-O-Matic Corporation. The commercial trifecta® brewer housing configuration is a trademark of Bunn-O-Matic Corporation.

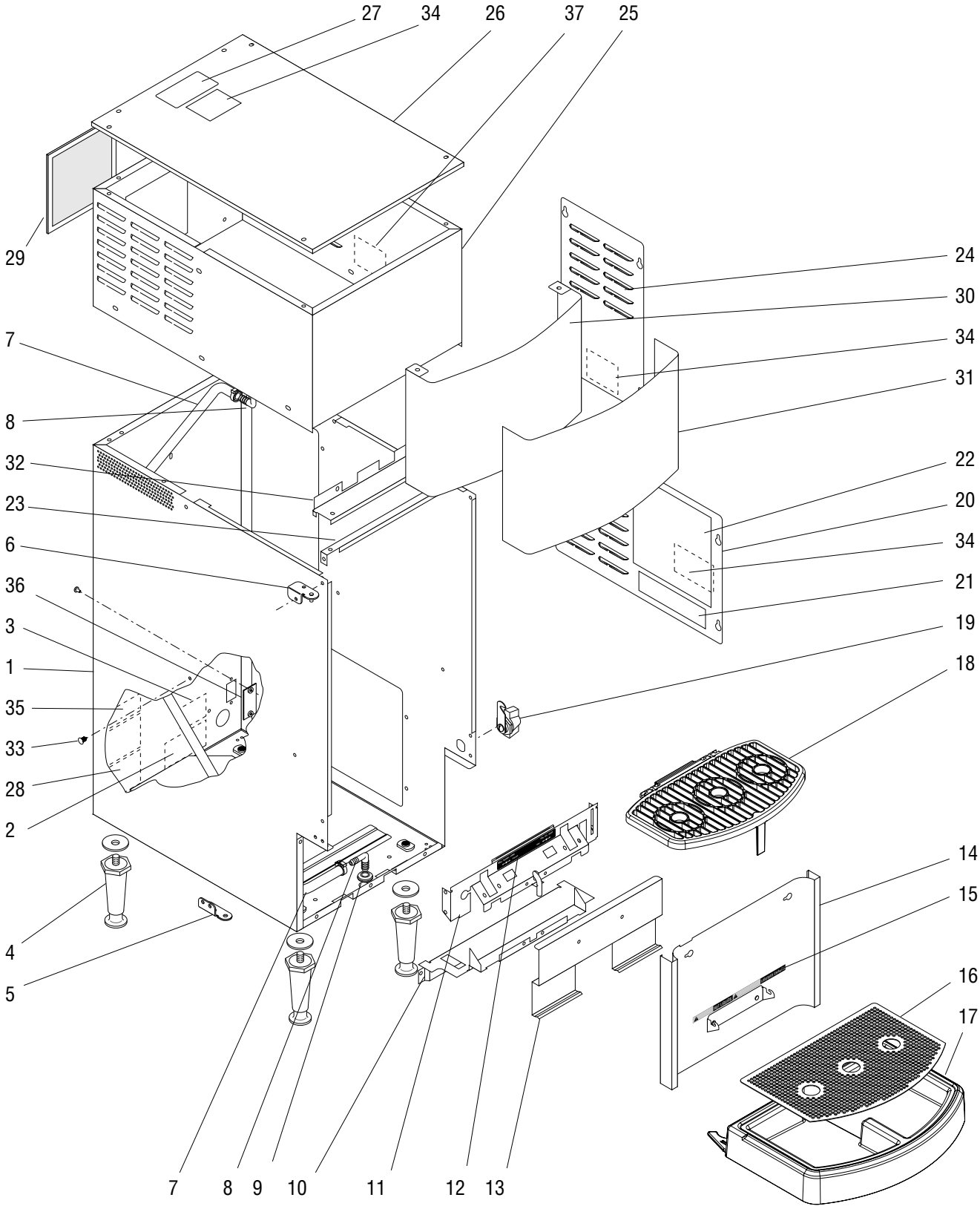
DIR Num: 36027.0001 15, July 2014

TABLE OF CONTENTS

TITLE **PAGE NO.**

Housing & Panels 4
Door Assembly (Early Models) 8
Door Assembly (Late Models)....8
Cabinet Assembly 12
Refrigeration Compartment....14
Compressor & Lines 16
Compressor Assembly....18
Tank Assembly....20
Dispense Valves & Lines....24
Pump Assembly....28
Electrical Controls....30
Numerical Index....36

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

HOUSING & PANELS

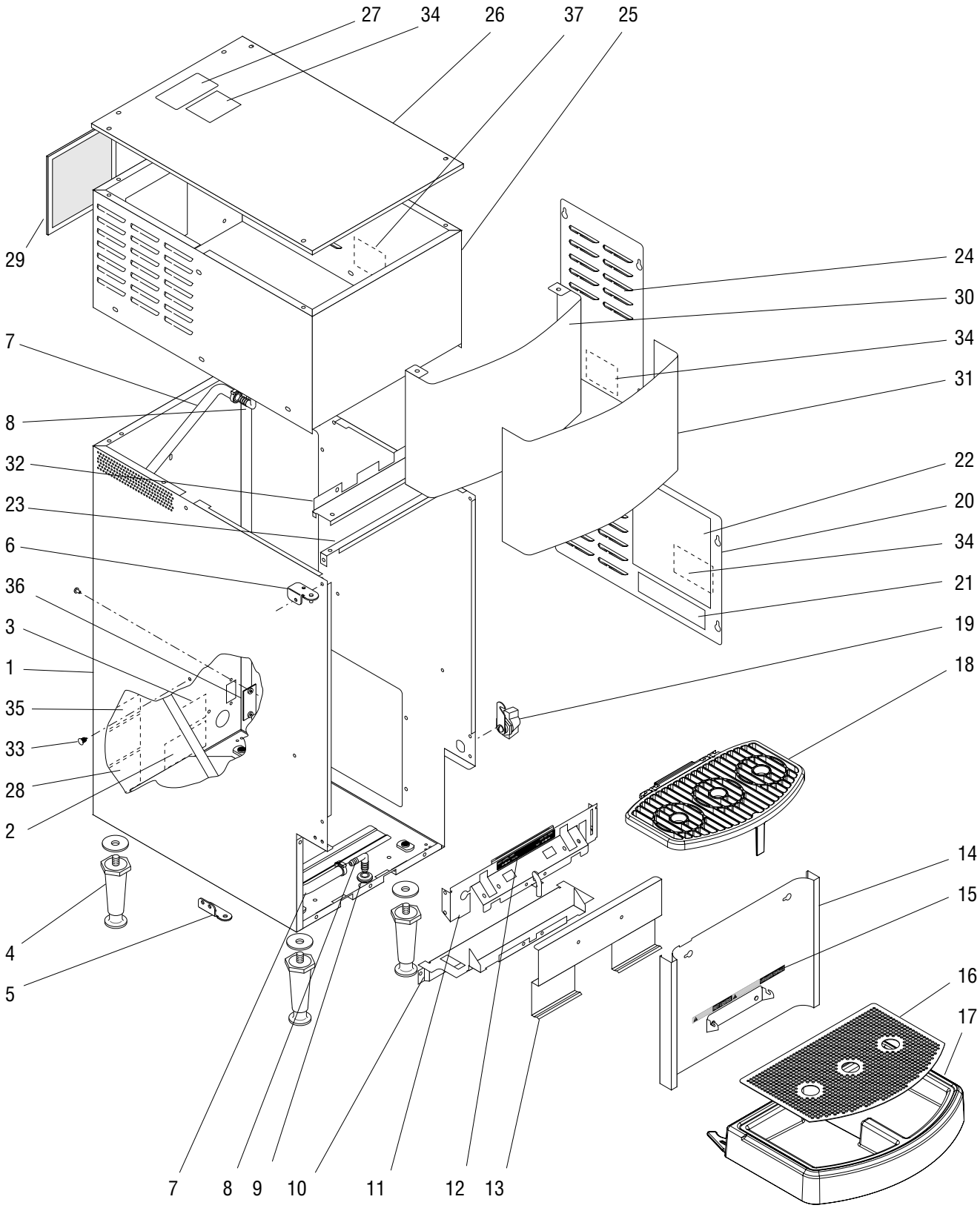
ITEM	PART NO.	QTY.	DESCRIPTION
1	35825.0001*	1	Housing Assy BLK Single Piece (Not serviced. Order Decals separately)
	42276.0000*	1	Housing Assy BLK Multi Piece (Not serviced. Order Decals separately)
	01311.0003	29	Screw, Truss Head, Sltd. Blk #8-32 x .25" (Used to join panels & base)
2	00656.0001	1	Decal, Comply to Plumbing Code
3	00986.0002	1	Decal, Warning - Electrical
4	26528.0000	4	Leg 4.0" adj.
	01526.0001	4	Washer, Flat
5	34335.0002	1	Hinge, Lower Door
	01315.0005	2	Screw, Truss Head, Sltd. Blk #8-32 x .38"
6	34385.0001	1	Hinge, Upper Door .25" Pin length (Early model doors w/Bushing)
	34385.0003	1	Hinge, Upper Door .375" Pin length (Late model doors w/o Bushing)
	01315.0005	2	Screw, Truss Head, Sltd. Blk #8-32 x .38"
7	11707.0040*	1	Tube, Silicone .25" ID x 35.0" (Order item 39)
	28526.0020*	1	Tube, Silicone .313" ID x 35.0" (Order item 40)
	12422.0000	2	Clamp, Snap-Type .47/.54" I.D.
	12422.0001	2	Clamp, Snap-Type .59/.66" I.D.
8	32656.0000	2	Elbow .25" x .38" Barb (Early models w/ .25" ID Tube)
	37850.0000	2	Elbow .38" x .38" Barb (Late models w/ .313" ID Tube)
9	02536.0000	1	Grommet
10	34152.0003	1	Bracket
	01311.0003	3	Screw, Truss Head, Sltd. Blk #8-32 x .25"
	01382.0000	2	Screw, Truss Head, Sltd. Blk #6-32 x .38"
11	35188.0000	1	Bracket
	01315.0005	4	Screw, Truss Head, Sltd. Blk #8-32 x .38"
12	34783.0000	1	Decal, Dispense Platform
13	34366.0000	1	Bracket (Early Models)
14	39999.1000	1	Splash Panel w/Decal (Includes item 15)
	01315.0005	2	Screw, Truss Head, Sltd. Blk #8-32 x .38"
15	11646.0002	1	Decal, Warning - Hot Liquids
16	34379.0002	1	Cover, Drip Tray (See item 38)
17	38433.0000	1	Drip Tray (See item 38)
18	34821.1000	1	Cup Tray
19	34472.1000	1	Lock, Door (Includes Keys)
	28095.0000	1	Key Set
20	34186.1006	1	Panel w/Decals, Lower Access (Includes items 21, 22 & 34)
	01315.0005	4	Screw, Truss Head, Sltd. Blk #8-32 x .38"
21	34960.0000	1	Decal, Terminal Block Wiring (Not used on 3 Phase models)
	39762.0000	1	Decal, Terminal Block Wiring (Used on 3 Phase models)
	34960.0001	1	Decal, Terminal Block Wiring (Models w/ Master ON/OFF Switch)

(Continued)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014

(Continued)



DIR Num: 36027.0001 15, July 2014

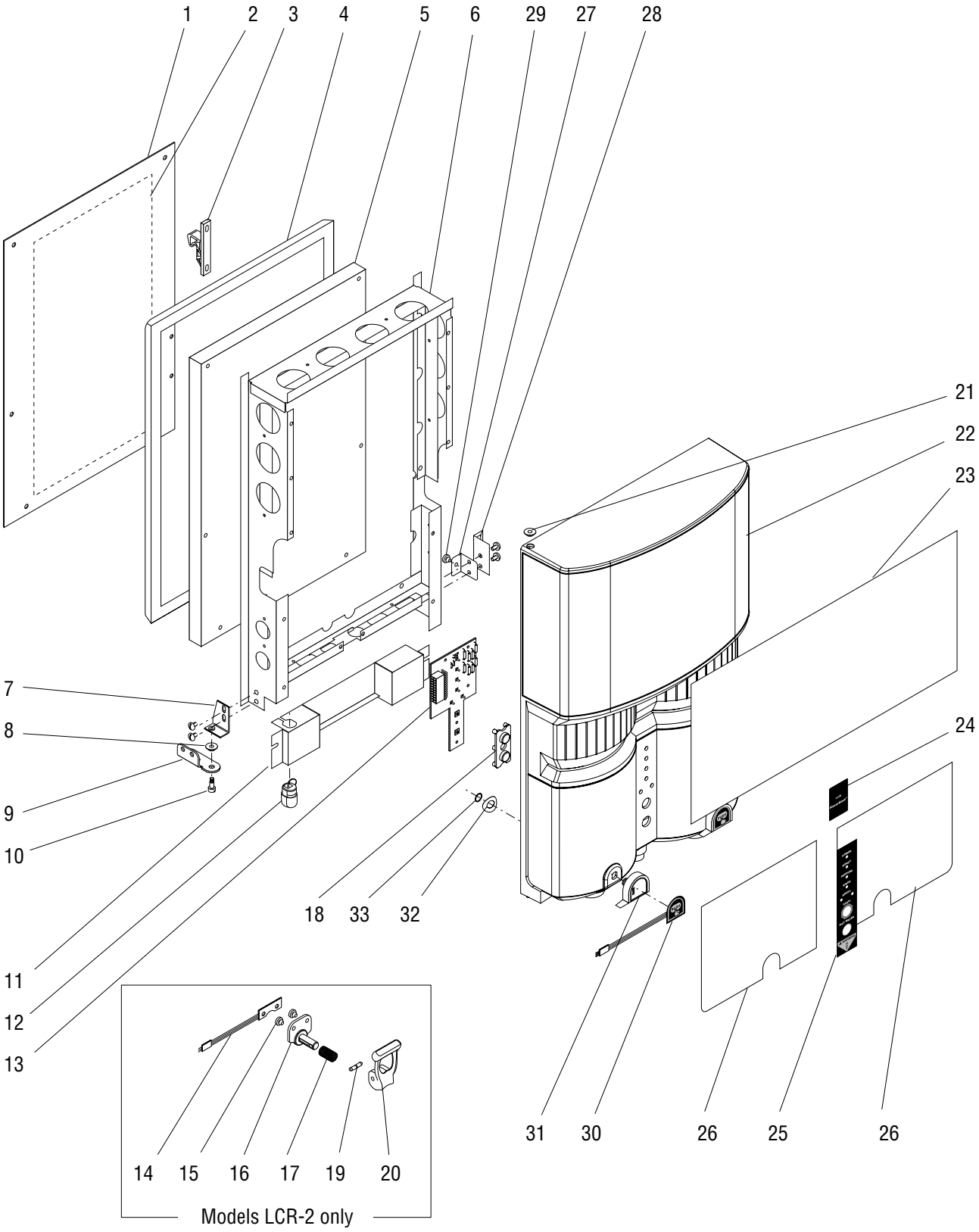
HOUSING & PANELS

ITEM	PART NO.	QTY.	DESCRIPTION
22	36025.0004	1	Schematic, Electrical (LCR-2, LCR-2C)
	36025.0001	1	Schematic, Electrical (LCR-2A)
	36025.0002	1	Schematic, Electrical (LCR-2A 3 Phase models)
23	34190.0000	1	Brace
	01311.0003	2	Screw, Truss Head, Sltd. Blk #8-32 x .25"
24	34194.1001	1	Panel w/Decal, Upper Access (Includes item 34)
	01315.0005	4	Screw, Truss Head, Sltd. Blk #8-32 x .38"
25	35883.0003	1	Housing, Refrigeration
	01315.0005	6	Screw, Truss Head, Sltd. Blk #8-32 x .38"
26	35884.1003	1	Cover, Top (Includes items 27 & 34)
	01315.0005	6	Screw, Truss Head, Sltd. Blk #8-32 x .38"
27	27442.0000	1	Decal, Warning - Moving Parts
28	28181.0003	1	Decal, Optional Field Wiring 120/208-240V
	29710.0014	1	Decal, Optional Field Wiring 230V
29	35833.0000	1	Filter, Air
30	35890.0001	1	Panel, Merchandise
31	36011.0000	1	Decal, Upper Hood
32	35829.0001	1	Cover, Top Front
	01315.0005	2	Screw, Truss Head, Sltd. Blk #8-32 x .38"
33	36149.0000	2	Fastener
34	37881.0000	3	Decal, No Serviceable Parts
35	33461.0002	1	Decal, Refrigerant Charge 6 oz
	33461.0003	1	Decal, Refrigerant Charge 4 oz
36	38820.0000	1	Plate, Cover (Not used on models w/ Master ON/OFF Switch)
	01308.0003	2	Screw, Truss Head, Locking BLK #6-32 x .25"
37	40054.0003	1	Decal, Clean Air Filter
38	34893.0001	-	Drip Tray Kit (Includes items 16 & 17)
39	11707.1000	-	Tube, Silicone .25" ID x 12.0" (Use as required)
	11707.1001	-	Tube, Silicone .25" ID x 36.0" (Use as required)
	11707.1002	-	Tube, Silicone .25" ID x 120.0" (Use as required)
40	28526.1000	-	Tube, Silicone .313" ID x 12.0" (Use as required)
	28526.1001	-	Tube, Silicone .313" ID x 36.0" (Use as required)
	28526.1002	-	Tube, Silicone .313" ID x 120.0" (Use as required)

Not Illustrated

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

DOOR ASSEMBLY (Early Models)

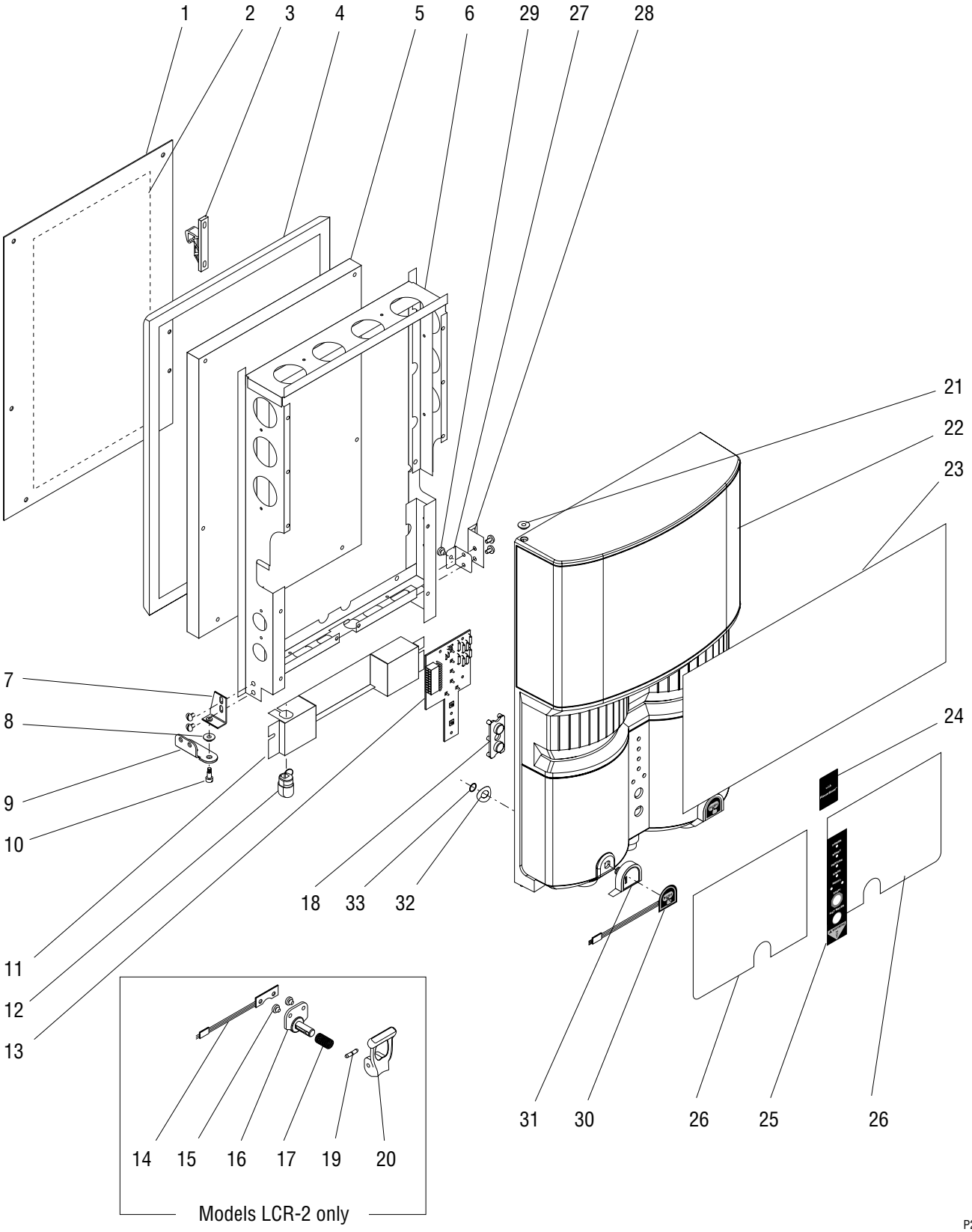
ITEM	PART NO.	QTY.	DESCRIPTION	
-	34284.1011	1	Door Assembly, Standard Controls (Includes items 6,7,10,13 & 14 - 26)	
	34284.1012	1	Door Assembly, Portion Control (Includes items 6,7,10,13,14,18, 21 - 26 & 30 - 33)	
1	34531.1000	1	Plate w/Decal (Includes item 2)	
	01322.0001	6	Screw, Round Head Sltd. #8-32 x 1.25"	
2	34809.0001	1	Decal, Maintenance	
3	34667.0000	1	Keeper, Door Latch	
	01382.0000	2	Screw, Truss Head Sltd. #6-32 x .38"	
4	34150.0000	1	Seal, Product Cabinet	
5	34473.0000	1	Insulation, Door	
6	34361.0000*	1	Frame, Door (Not Serviced)	
7	34334.0000	1	Bracket	
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"	
8	34362.0000	1	Bushing, Lower Hinge	
9	- - - - - - - -	1	Lower Door Hinge (See HOUSINGS & PANELS)	
10	29504.0004	1	Shoulder Screw #8-32	
11	34527.0000	1	Panel	
	38044.0000	2	Screw, Pan Head #6 48-2	
12	26444.0000	1	Bushing, Strain Relief	
13	38735.1000	1	Circuit Board, LED	
	38044.0000	2	Screw, Pan Head #6 48-2	Models LCR-2 with Standard Controls
14	33039.0001	2	Switch, Membrane	
15	34340.1000	1	Button Kit (Includes two buttons)	
16	34341.1000	2	Stem, Handle	
17	34742.0000	2	Spring	
18	34387.0000	1	Cover, Switch	Models LCR-2 with Standard Controls
19	01219.0000	2	Pin, Faucet Handle	
20	33434.1000	1	Handle, Black	Includes item 19
	33434.1002	1	Handle, Orange	
21	34362.0001	1	Bushing, Upper Hinge (Early models only)	
22	34283.0001*	1	Door Front	
	38044.0000	13	Screw, Pan Head #6 48-2	
23	34708.0000	1	Decal, Upper Door Wrap	
24	34712.0000	1	Decal, Flavor Gard	
25	34711.0000	1	Decal, LED Display	

(Continued)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014

(Continued)



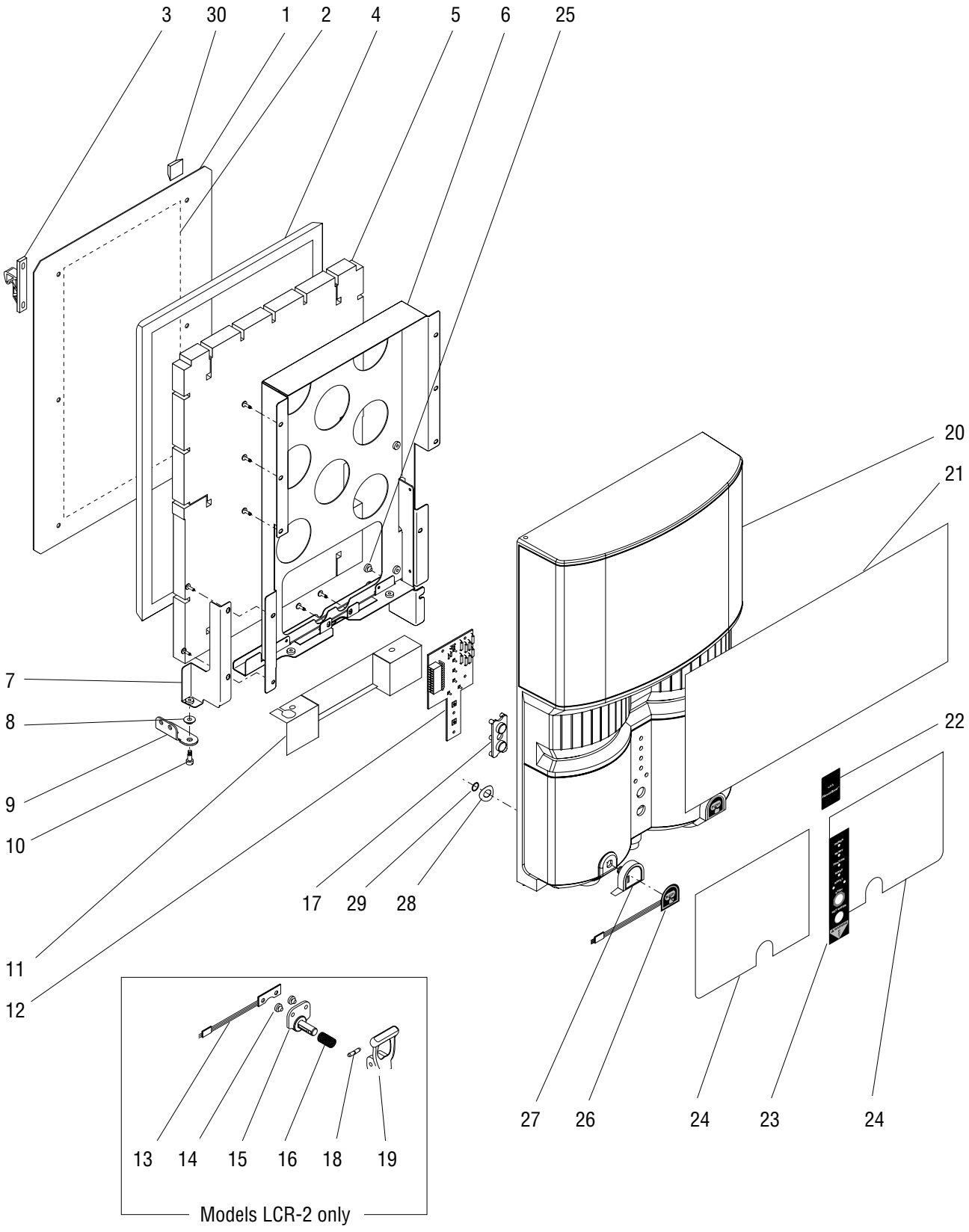
DIR Num: 36027.0001 15, July 2014

DOOR ASSEMBLY (Early Models)

ITEM	PART NO.	QTY.	DESCRIPTION	
26	34709.0000	1	Decal, Left Faux Server	
	34710.0000	1	Decal, Right Faux Server	
27	35087.0000	1	Bracket, Switch	
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"	
28	36012.0000	1	Bracket, Latch	
29	34340.0000*	1	Button	
30	36554.0000	2	Membrane Switch	Models LCR-2, PC & LCR-2A, PC with Portion Controls
31	36673.0000	2	Bezel	
32	36785.0000	2	Washer, Wavy	
33	36786.0000	2	Snap Ring	

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



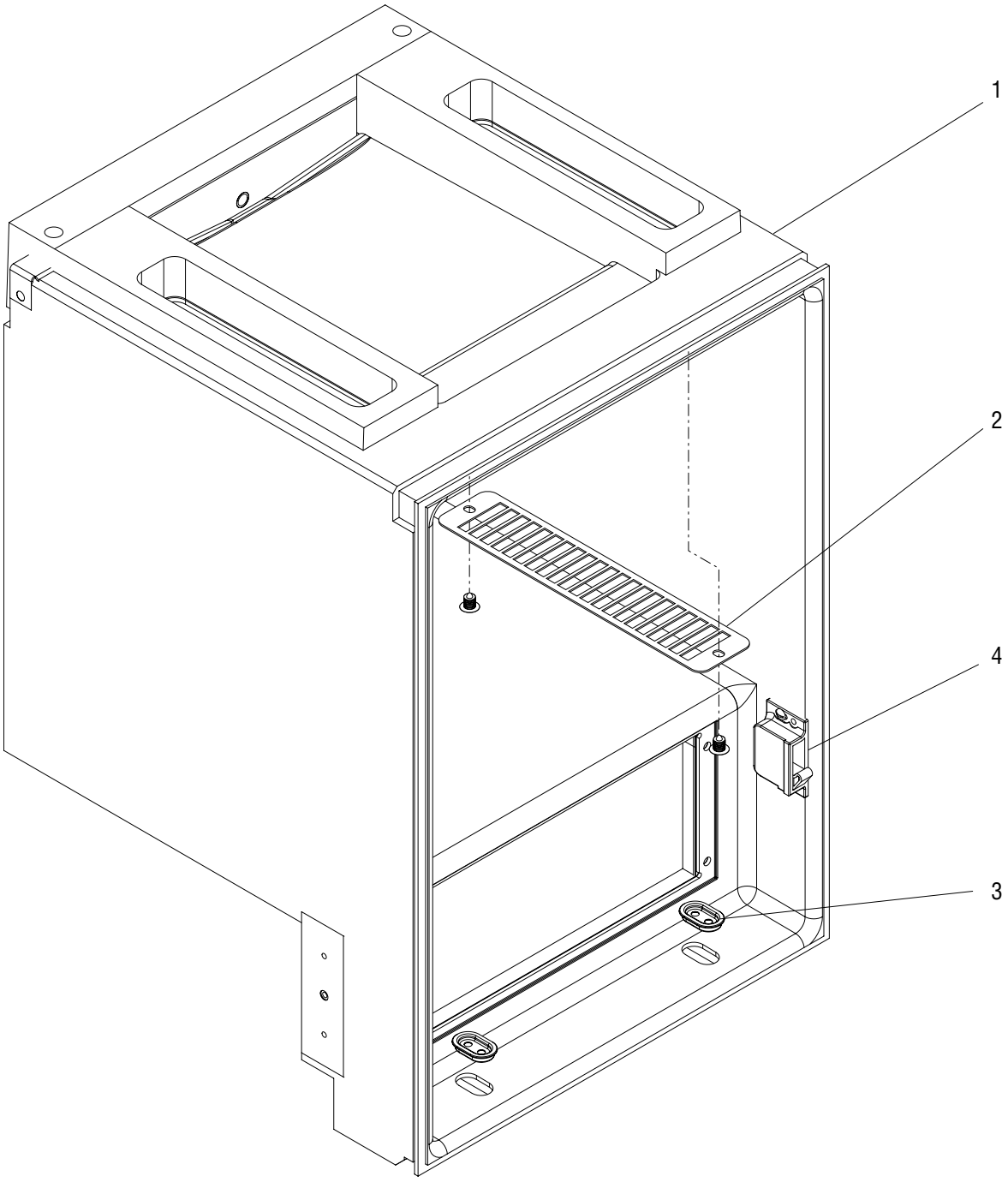
DIR Num: 36027.0001 15, July 2014

DOOR ASSEMBLY (Late Models)

ITEM	PART NO.	QTY.	DESCRIPTION	
-	41925.0011	1	Door Assembly, Standard Controls (Includes items 6,7,10 & 12 - 24)	
	41925.1012	1	Door Assembly, Portion Control (Includes items 6,7,10,12,14,17, 20 - 29)	
1	40095.1000	1	Plate w/Decal (Includes item 2)	
	01322.0001	6	Screw, Round Head Sltd. #8-32 x 1.25"	
2	34809.0001	1	Decal, Maintenance	
3	34667.0001	1	Keeper, Door Latch	
	01382.0000	2	Screw, Truss Head Sltd. #6-32 x .38"	
4	41512.0000	1	Seal, Product Cabinet	
5	40092.0000	1	Insulation, Door	
6	40087.0000*	1	Frame, Door (Not Serviced)	
7	40091.0000	1	Bracket	
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"	
8	34362.0000	1	Bushing, Lower Hinge	
9	- - - - - - - -	1	Lower Door Hinge (See HOUSINGS & PANELS)	
10	29504.0004	1	Shoulder Screw #8-32	
11	40094.0000	1	Panel	
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"	
12	38735.1000	1	Circuit Board, LED	
	38044.0000	2	Screw, Pan Head #6 48-2	
13	33039.0001	2	Switch, Membrane	Models LCR-2 with Standard Controls
14	34340.1000	1	Button Kit (Includes two buttons)	
15	34341.1000	2	Stem, Handle	
16	34742.0000	2	Spring	
17	34387.0000	1	Cover, Switch	
18	01219.0000	2	Pin, Faucet Handle	
19	33434.1000	1	Handle, Black	Includes item 19 — Models LCR-2 with Standard Controls
	33434.1002	1	Handle, Orange	
20	34283.0001	1	Door Front (Not serviced separately)	
	38044.0000	13	Screw, Pan Head #6 48-2	
21	34708.0000	1	Decal, Upper Door Wrap	
22	34712.0000	1	Decal, Flavor Gard	
23	34711.0000	1	Decal, LED Display	
24	34709.0000	1	Decal, Left Faux Server	
	34710.0000	1	Decal, Right Faux Server	
25	34340.0000*	1	Button	
26	36554.0000	2	Membrane Switch	
27	36673.0000	2	Bezel	Models LCR-2 PC & LCR-2A PC with Portion Controls
28	36785.0000	2	Washer, Wavy	
29	36786.0000	2	Snap Ring	
30	02547.0000	1	Foot, Rubber	

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



P2790

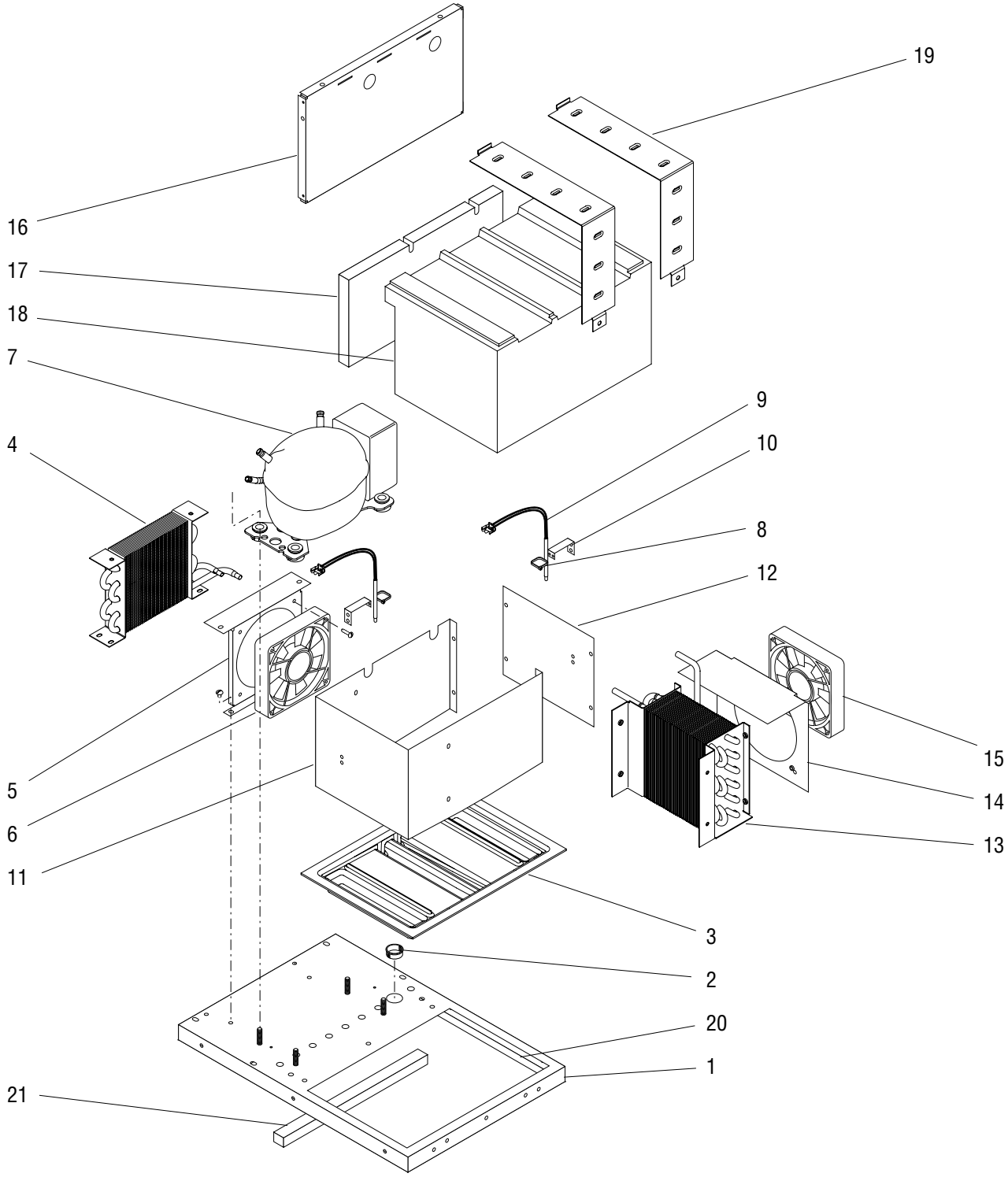
DIR Num: 36027.0001 15, July 2014

CABINET ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	36113.1001	1	Cabinet
2	35959.0000*	2	Cover, Vent
	36149.0000	4	Fastener
3	34702.0000	2	Grommet
4	34666.0001	1	Catch
	48817.0000	2	Screw, Pan Head #4-40 x .50"

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



P2787

DIR Num: 36027.0001 15, July 2014

REFRIGERATION COMPARTMENT

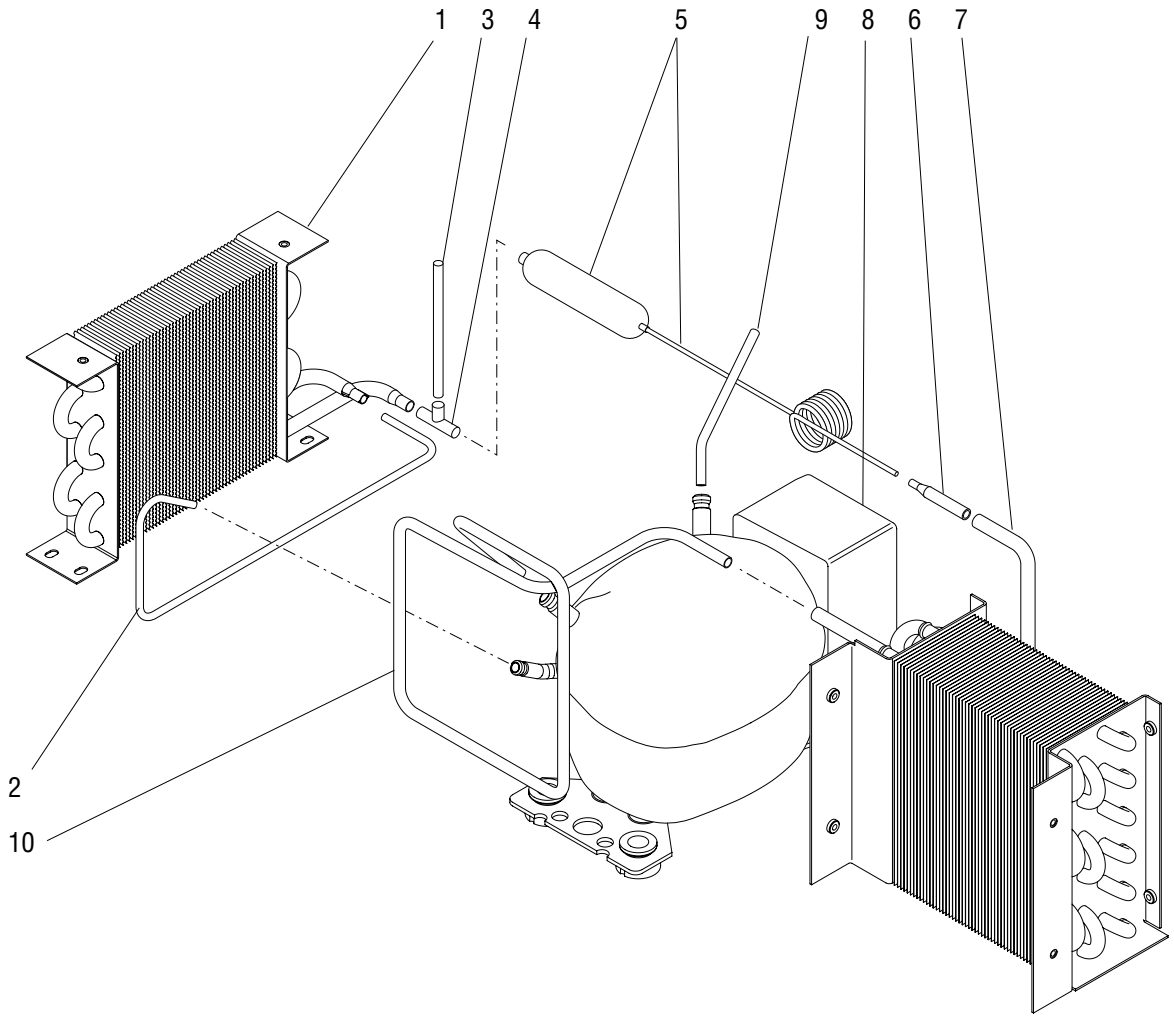
ITEM	PART NO.	QTY.	DESCRIPTION
-	36077.0001	1	Refrigeration Assembly (Includes item 1- 24)
1	35827.0000	1	Base
	01326.0008	2	Screw, Truss Head, Sltd.,Blk #10-32 x 1.25"
	01384.0000	4	Screw, Truss Head Sltd. SST #8-32 x 1.5"
2	00606.0000	1	Bushing, Snap
3	35830.0000	1	Drip Tray
4	35821.0000*	1	Condenser
5	35887.0000	1	Bracket
	01311.0000	2	Screw, Truss Head #8-32 x .25"
6	33297.0002	1	Fan
	02370.0003	4	Screw, Pan Head #6-32 x 1.50"
7	- - - - - - - -	1	Compressor Assy. (See COMPRESSOR ASSEMBLY)
	21431.0003	4	Washer
	00901.0000	4	Nut, Hex .250"-20
8	00617.0000	2	Cable Tie
9	34803.1000	2	Sensor Assembly
10	36016.0000	2	Bracket
	01382.0000	4	Screw, Truss Head #6-32 x .38"
11	35834.0000	1	Housing
12	35891.0000	1	Panel
	01311.0000	4	Screw, Truss Head #8-32 x .25"
13	35823.0000*	1	Evaporator
	01311.0000	4	Screw, Truss Head #8-32 x .25"
14	35888.0000	1	Bracket
	01311.0000	4	Screw, Truss Head #8-32 x .25"
15	33297.0002	1	Fan
	02370.0003	4	Screw, Pan Head #6-32 x 1.50"
16	35838.0000	1	Panel
	01327.0000	3	Screw, Pan Head #10-32 x .38"
17	35965.0000	1	Panel, Styrofoam - Back
18	38301.0001*	1	Panel, Styrofoam
19	35836.0000	2	Strap
	01311.0000	2	Screw, Truss Head #8-32 x .25"
20	36117.0000	1	Insulation, 30.0"
21	36118.0000	1	Insulation, 11.9"

The following items are not illustrated:

22	36037.0000	1	Wiring Harness - Compressor Module
23	36050.0001	1	Wiring Harness - Compressor Speed Control
24	36056.0000	1	Wiring Harness - Sensors

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



P2788

DIR Num: 36027.0001 15, July 2014

COMPRESSOR & LINES

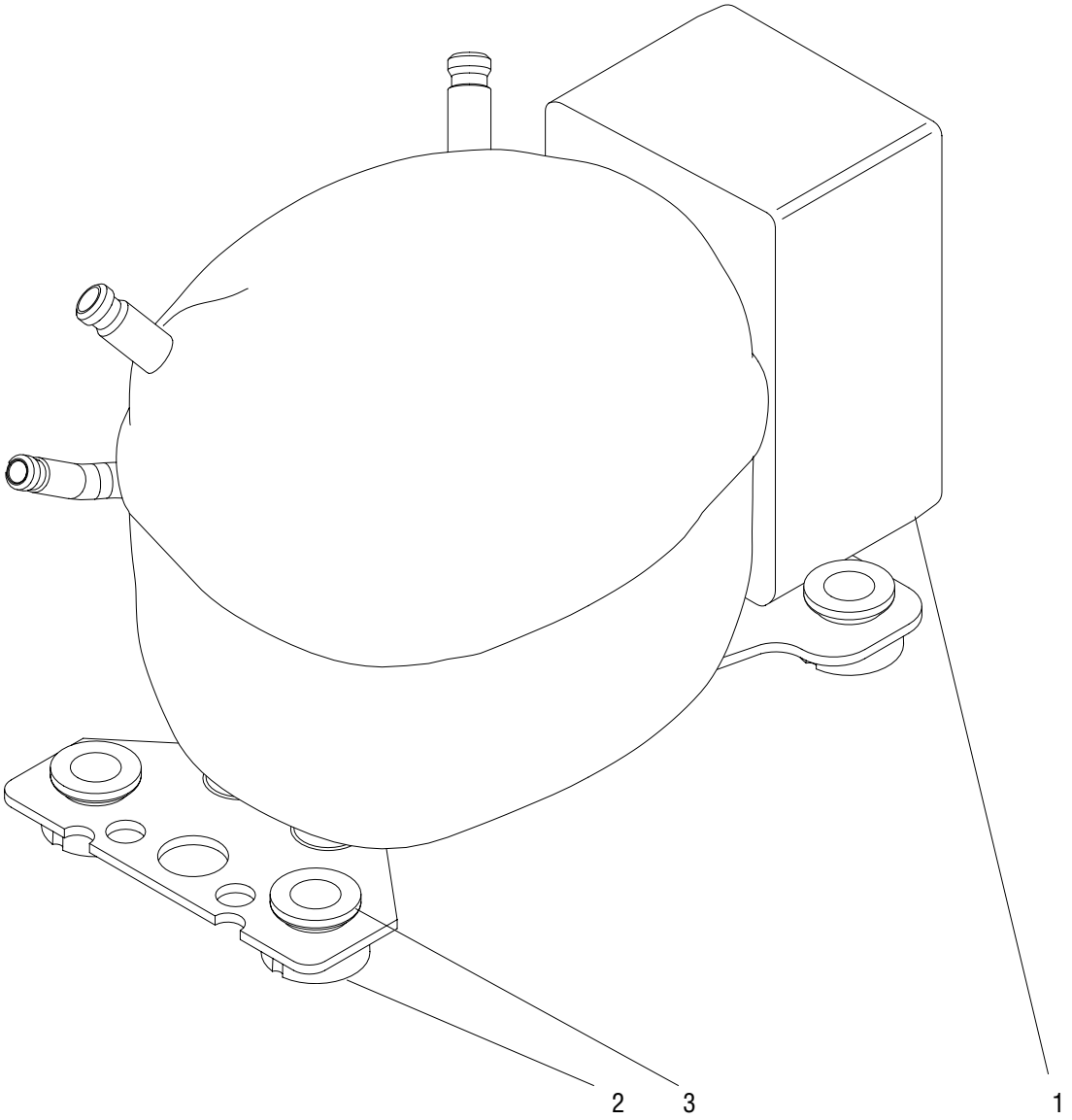
ITEM	PART NO.	QTY.	DESCRIPTION
1	- - - - - - - -	1	Condenser Assembly (See REFRIGERATION COMPARTMENT)
2	36021.0001*	1	Tube (Requires brazing to install)
3	35581.0001	1	Tube (Requires brazing to install)
4	00467.0000*	1	Tee (Requires brazing to install)
5	35820.0000	1	Filter Dryer Assembly (Requires brazing to install)
6	36010.0000*	1	Adapter (Requires brazing to install)
7	- - - - - - - -	1	Evaporator Assembly (See REFRIGERATION COMPARTMENT)
8	- - - - - - - -	1	Compressor Assembly (See COMPRESSOR ASSEMBLY)
9	36019.0001	1	Tube (Requires brazing to install)
10	36308.0001*	1	Tube (Requires brazing to install)

The following items are not illustrated:

11	- - - - - - - -	1	Tape, Cork - Pipe Insulating 2.00' (Early models)(Order item 12)
12	M2336.1000	-	Insulation, Tube 72.0" (Use as required)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



P2789

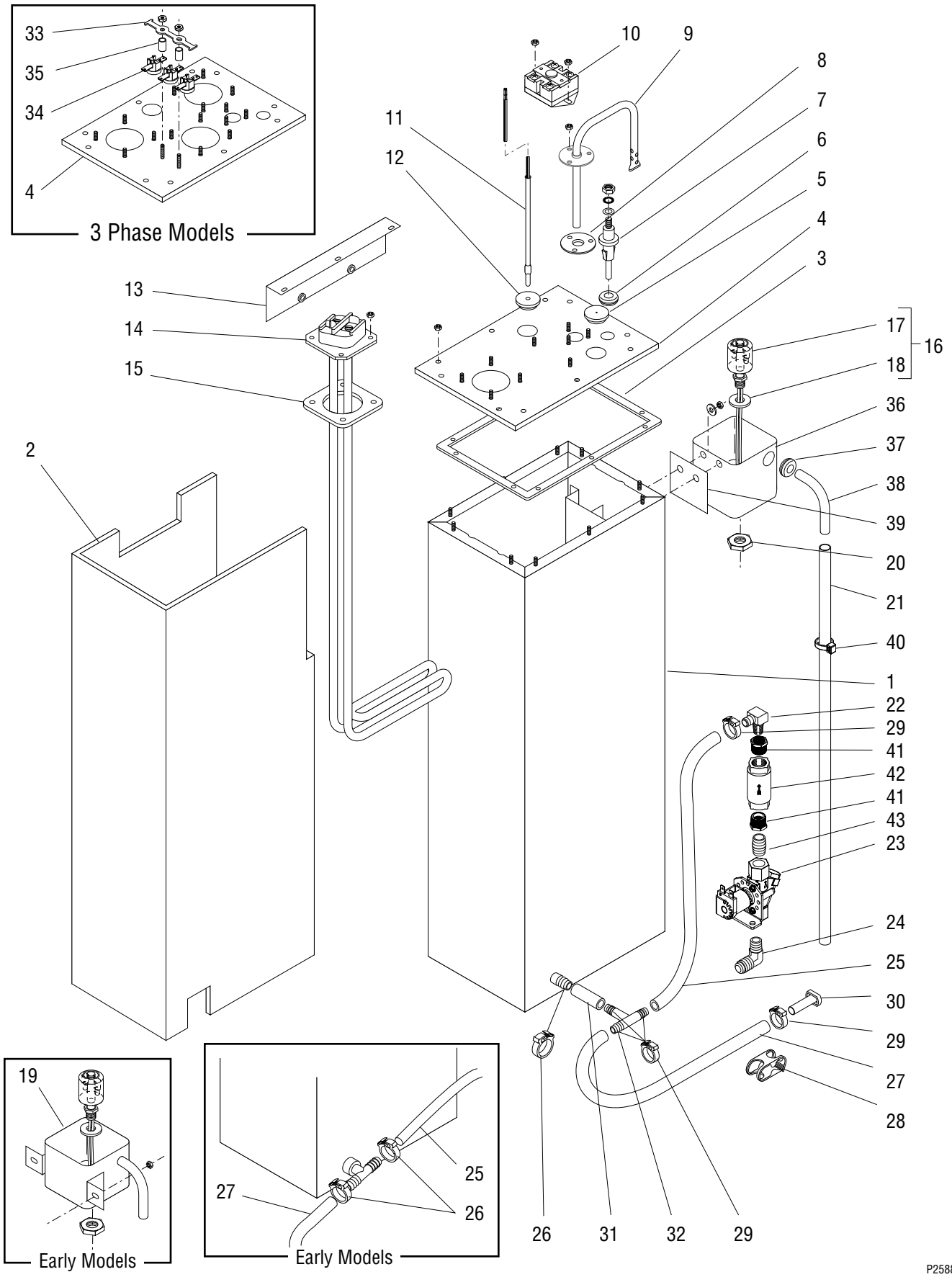
DIR Num: 36027.0001 15, July 2014

COMPRESSOR ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	35822.0000*	1	Compressor Assembly (Model BD-50F) (Includes items 1 - 3)
	35822.0001*	1	Compressor Assembly (Model BD-35F) (Includes items 1 - 3)
1	35961.0000	1	Electronics Box
2	35962.0000	4	Grommet
3	35963.0000	4	Sleeve

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

TANK ASSEMBLY

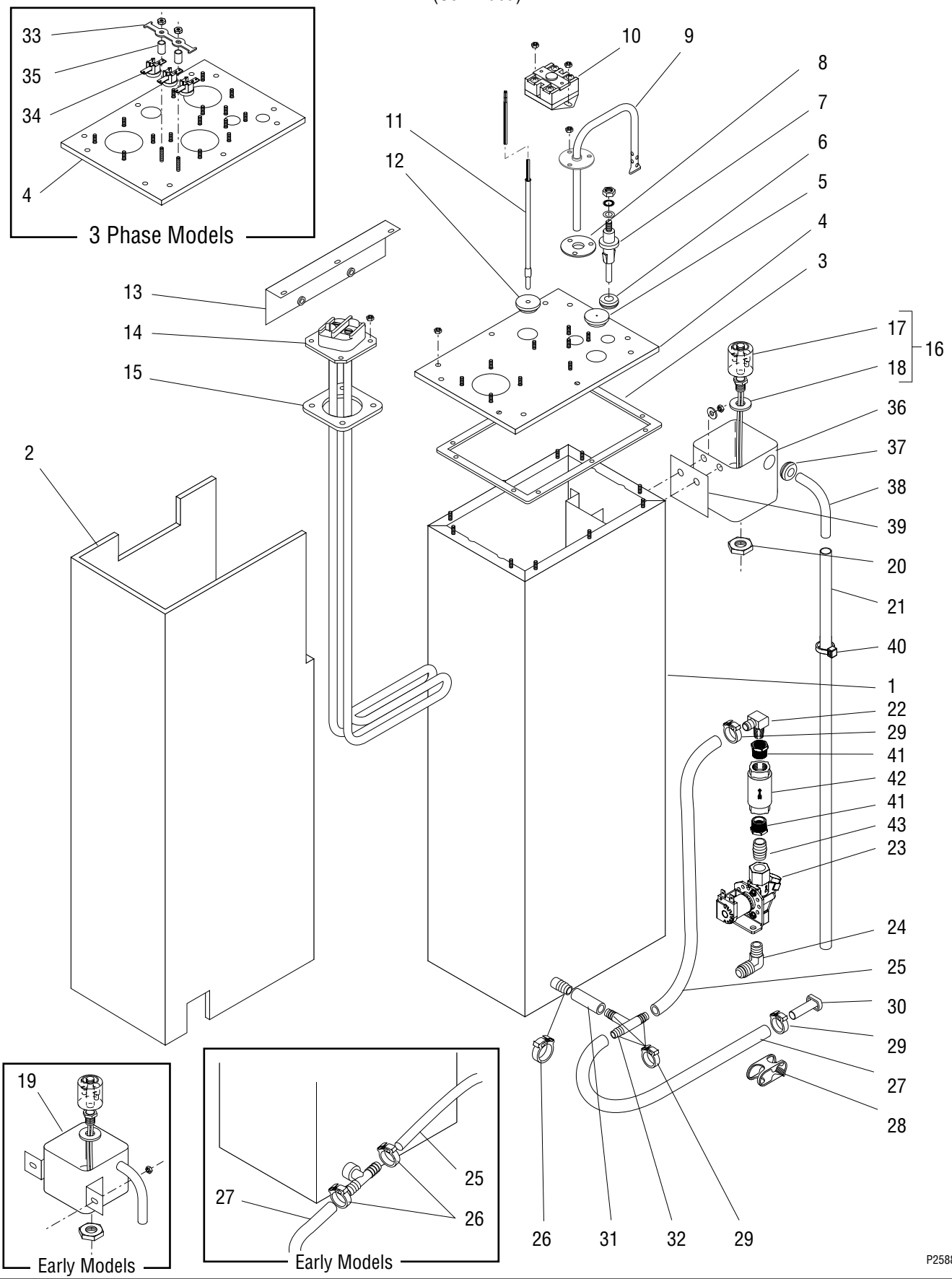
ITEM	PART NO.	QTY.	DESCRIPTION
1	34158.1002	1	Tank
2	- - - - - - - -	1	Insulation, Tank Wrap (Early Models. Not Available)
3	12377.0000	1	Gasket, Tank Lid
4	34160.0000	1	Lid, Tank
	34160.0001	1	Lid, Tank (3 Phase models)
	00906.0000	10	Nut #6-32
5	07073.0001	1	Grommet, Thermostat (Models with thermostat)
	12570.0002	1	Grommet (Models without thermostat)
6	02536.0000	1	Grommet, Level Probe
7	20936.1000	1	Probe, Liquid Level
	01501.0000	1	Washer
	20203.0100	1	Lockwasher, Int.-tooth #8
	00908.0000	1	Nut #8-32
8	05515.0000	1	Gasket, Overflow Tube
9	26622.0002*	1	Tube, Overflow
	00908.0000	3	Nut #8-32
10	23717.0003	1	Limit Thermostat, Double
	00971.0000	2	Nut, Keps #10-32
11	41179.1000	1	Probe, Temperature
12	12570.0000	1	Grommet, Temperature Probe
13	34895.0000	1	Bracket
	01315.0005	2	Screw, Truss Head Sltd. Blk #8-32 x .38"
14	33926.1001	1	Tank Heater, 5500W 240V (Includes item 15)
	12322.1000	1	Tank Heater, 4000W 240V (Includes item 15)
	38818.1000	3	Tank Heater, 3000W 240V (Includes item 15) (3 Phase models)
	00908.0000	4	Nut #8-32 (8 additional used on 3 Phase models)
15	12398.0002	1	Gasket, Tank Heater
16	03803.0002	1	Switch, Overflow (Includes items 17 & 18)
17	03807.0000	1	Retaining Ring
18	03633.0000	1	Gasket, Silicone
19	22728.0002	1	Overflow Cup
	00970.0000	2	Nut, Keps #8-32 — Early Models
20	00946.0000	1	Nut, Brass .125"-27
21	20976.0067*	1	Tube, Silicone .375" ID x 21.0" (Order item 44)
22	34684.0000	1	Elbow .375" Barb x .375" NPT
23	33418.0001	1	Valve, Water Inlet
	01326.0000	2	Screw, Truss Head Sltd. #10-32 x .25"

(Continued)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014

(Continued)



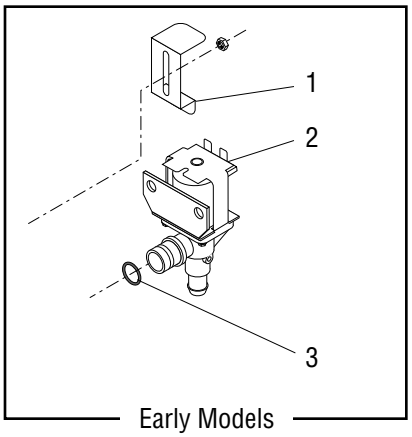
DIR Num: 36027.0001 15, July 2014

TANK ASSEMBLY

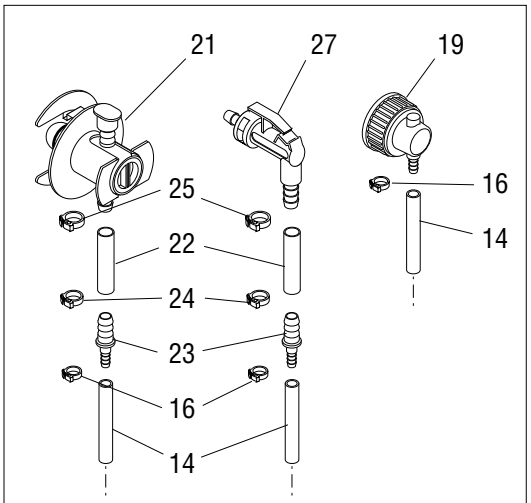
ITEM	PART NO.	QTY.	DESCRIPTION	
24	34768.0000	1	Elbow .38" NPT x .63" flare	
25	20976.0005*	1	Tube, Silicone .375" ID x 7.5" (Order item 44) (Early models)	
	20976.0055*	1	Tube, Silicone .375" ID x 9.0" (Order item 44)(Late models)	
26	12422.0005	1	Clamp .62/.71" ID (2 used on early models)	
27	20976.0068*	1	Tube, Silicone .375" ID x 19.0" (Order item 44)	
28	11630.0001	1	Clip, Shut-off	
29	12422.0001	5	Clamp .59/.66" ID (3 less used on early models)	
30	34392.0000	1	Plug, Hose	
31	20976.0072*	1	Tube, Silicone .375" ID x 1.5" (Order item 44)	Late models only
32	38948.0001	1	Fitting, Tee .375" Barb	
33	38821.0000	1	Strap	3 Phase models only
	00973.0000	2	Nut, Keps #6-32	
34	29329.0003	3	Limit Thermostat	
35	39829.0000	2	Spacer	
36	41259.0002	1	Overflow Cup, Aluminum	Late models only
	01522.0000	2	Washer	
	00910.0000	2	Nut, Hex #10-32	
37	02536.0000	1	Grommet	
38	34612.0000	1	Tube	
39	41266.0000	1	Film, Insulating	
40	36329.0002	1	Tie, Cable	
41	35851.0000	2	Fitting .375FPT x .500MPT	Late models only
42	40831.0000	1	Check Valve	
43	36476.0000	1	Fitting, Close Nipple .375NPT	
44	20976.1000	-	Tube, Silicone .375" ID x 12.0" (Use as required)	Not Illustrated
	20976.1001	-	Tube, Silicone .375" ID x 30.0" (Use as required)	

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

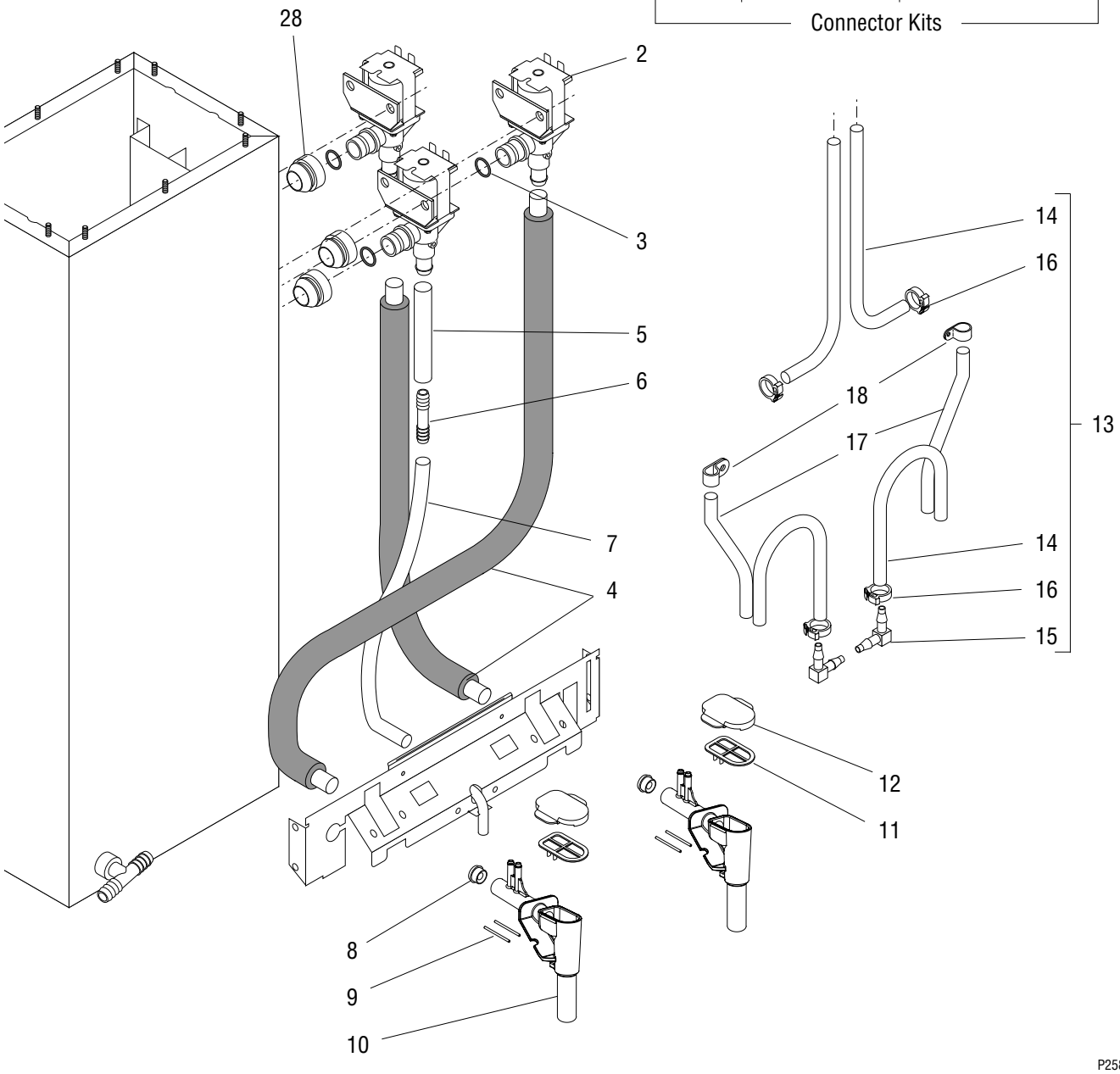
DIR Num: 36027.0001 15, July 2014



Early Models



Connector Kits



P2589

DIR Num: 36027.0001 15, July 2014

DISPENSE VALVES & LINES

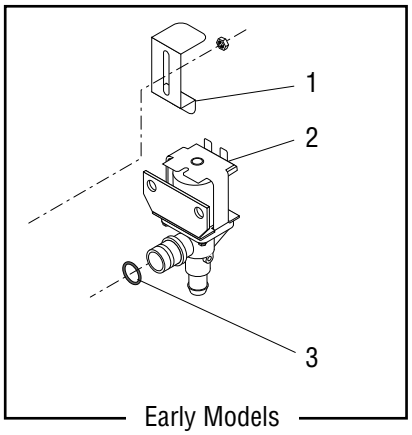
ITEM	PART NO.	QTY.	DESCRIPTION
1	29576.0000	3	Bracket
	00970.0000	3	Nut, Keps #8-32
2	34202.0000	3	Valve, Dispense (Includes item 3)(Refer to item 41)
3	24733.0011	3	O-ring
4	34962.1000	2	Warmer Tube Assy (Includes Warmer Tape w/Leads)
5	20976.0046*	1	Tube, Silicone .375" ID x 5.0" (Order item 36)
6	34644.0000	1	Connector, Barb .375"
7	28526.0002*	1	Tube, Silicone .313" ID x 16.0" (Order item 37)
8	34807.0000	2	Flow Restrictor (Optional for 1.8 oz/sec. flow rate)
9	34689.0000*	4	Pin
10	34346.1000	2	Mixing Chamber Assy (Includes items 8, 9, 11 & 12)
	01315.0000	4	Screw, Truss Head Sltd. #8-32 x .38"
11	34198.0000*	2	Lid
12	34384.0000*	2	Snap Cap
13	34727.1000	2	Hose Assy .187" ID (Incl. items 14 - 16)
	34727.1001	2	Hose Assy .187" ID x 14.0" Feed End (Incl. items 14 - 16) — Also order item 37
	34728.1000	2	Hose Assy .125" ID (Incl. items 14 - 16)
14	34729.0000*	4	Hose .187" ID x 9.0"
	34729.0001*	2	Hose .187" ID x 14.0" — Order item 13
	34728.0000*	4	Hose .125" ID x 9.0"
15	34714.0000	2	Elbow (.187" ID Hose Assy)
	34715.0000	2	Elbow (.125" ID Hose Assy)
16	12422.0003	4	Clamp .40/.45" ID (.187" ID Hose Assy)
	12422.0007	4	Clamp .31/.34" ID (.125" ID Hose Assy)
17	34726.0001*	2	Tube, Norprene .125" I.D. x 6.0" (Order item 39)
18	05920.0000	2	Clip
19	35057.0000	2	Connector .187"
	35057.0001	2	Connector .25"
20	35055.1000	2	Adapter Kit (Includes items 21 - 25)
21	33160.0000	2	Connector
22	11707.0029*	2	Hose, Silicone .25" I.D. x 1.75" (Order item 40)
23	35053.0000	2	Coupling, Reducing
24	12422.0000	2	Clamp .47/.54" I.D.
25	12422.0006	2	Clamp .53/.59" I.D.
26	35056.1000	2	Adapter Kit (Includes items 22,23,24 & 27)

(Continued)

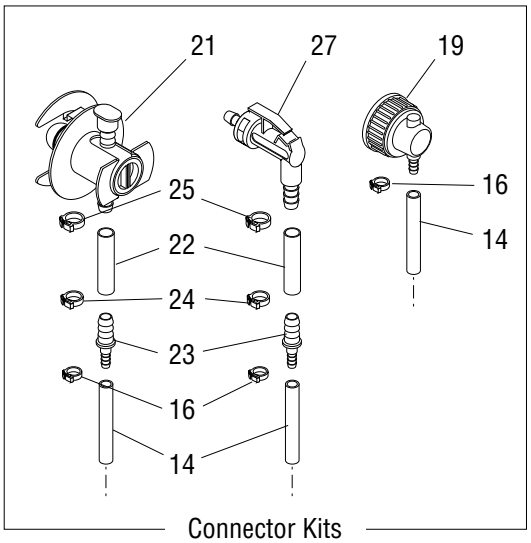
* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014

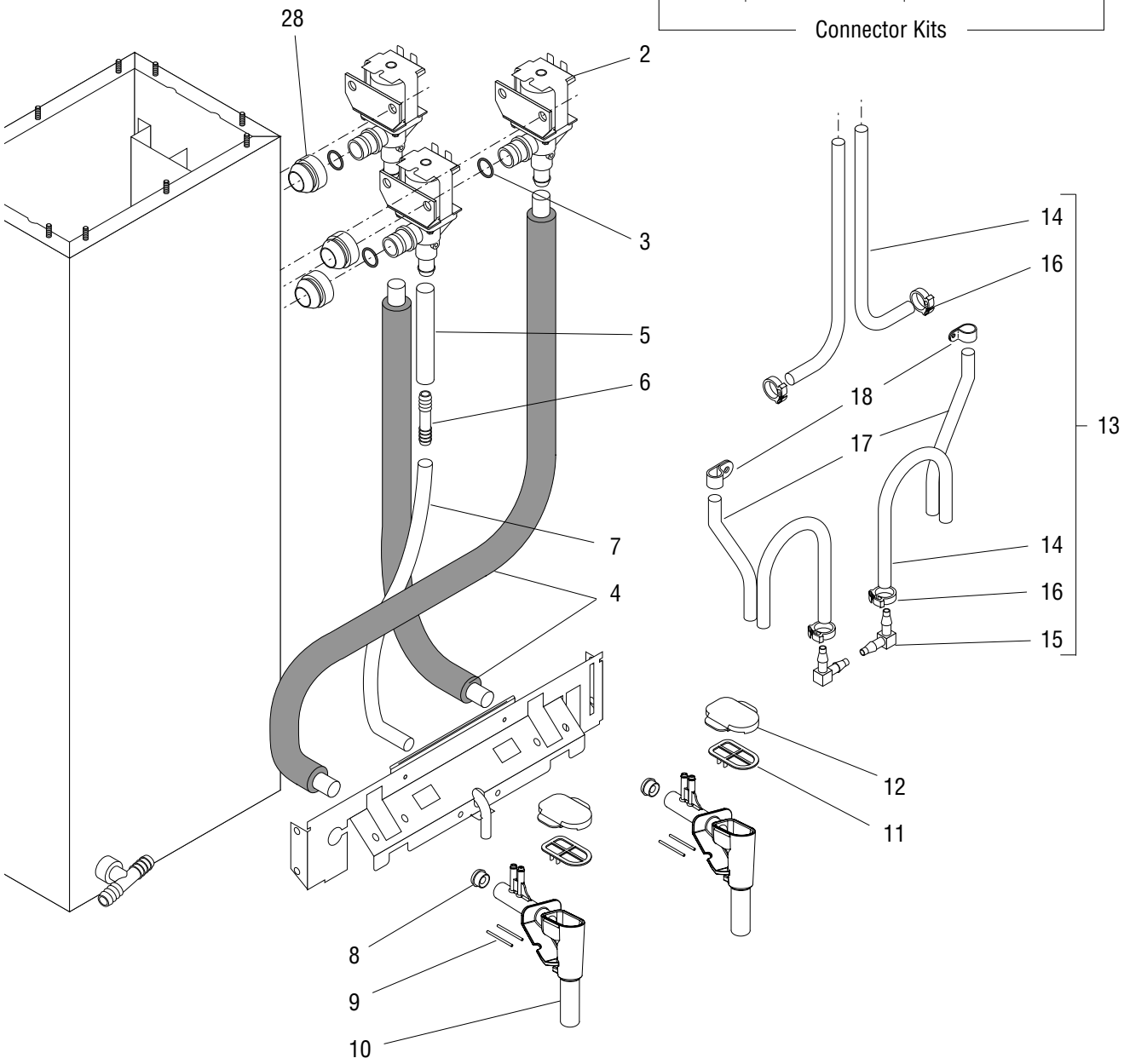
(Continued)



Early Models



Connector Kits



P2589

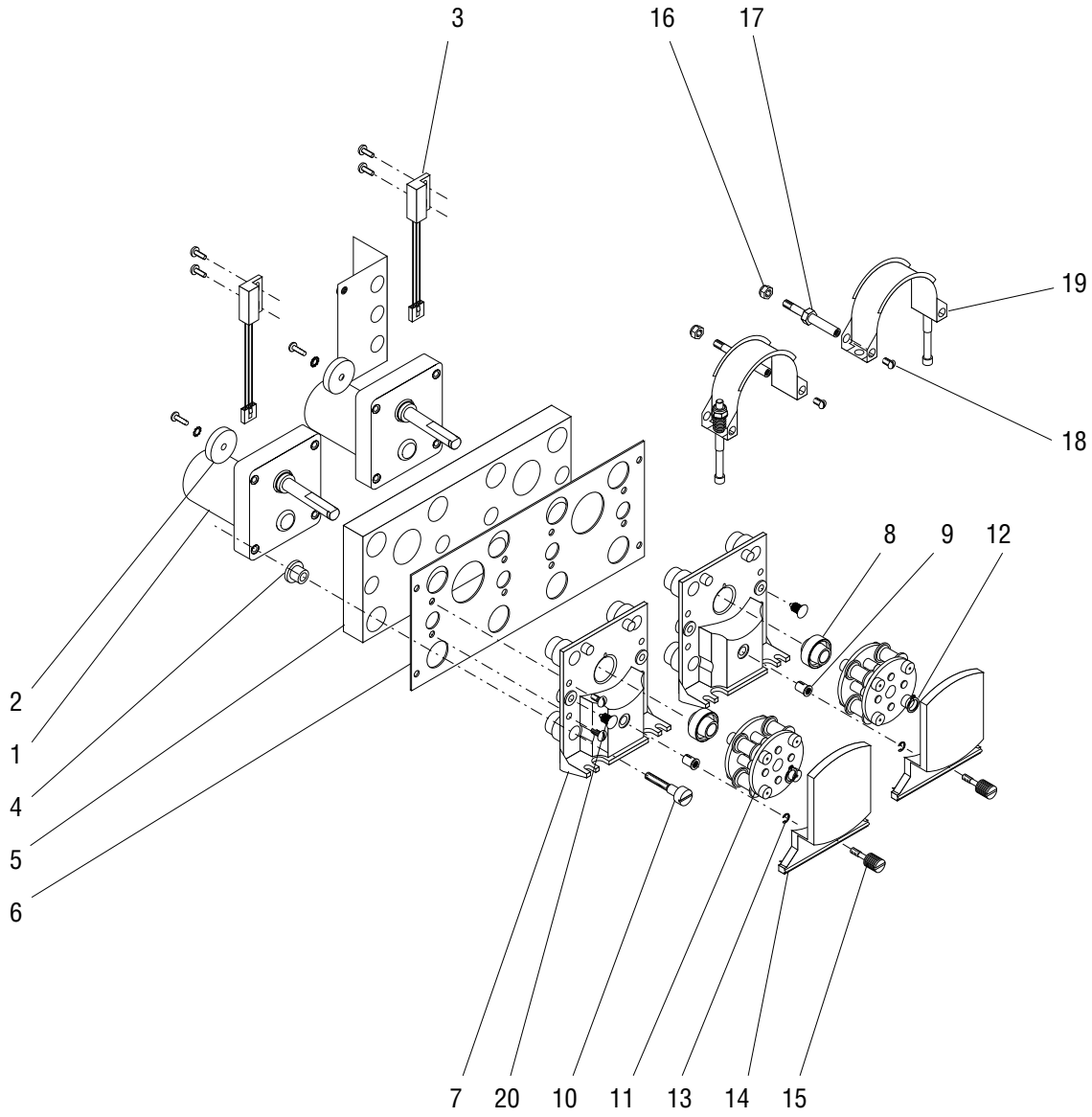
DIR Num: 36027.0001 15, July 2014

DISPENSE VALVES & LINES

ITEM	PART NO.	QTY.	DESCRIPTION
27	35054.0000	2	Connector
28	37970.0000	3	Grommet, Valve Mounting (Late models only)
Items 29 through 41 are Not Illustrated			
29	34400.0200	-	Adapter Kit (Incl. items 13,16, 19 & 38)(Uses .125" I.D. Hose & Clamps)
30	34400.0201	-	Adapter Kit (Incl. items 13,16, 19 & 38)(Uses .188" I.D. Hose & Clamps)
31	34400.0202	-	Adapter Kit (Incl. items 13,16, 21 & 38)(Uses .125" I.D. Hose & Clamps)
32	34400.0203	-	Adapter Kit (Incl. items 13,16, 21 & 38)(Uses .188" I.D. Hose & Clamps)
33	34400.0204	-	Adapter Kit (Incl.items 13,16, 27 & 38)(Uses .125" I.D. Hose & Clamps)
34	34400.0205	-	Adapter Kit (Incl. items 13,16, 27 & 38)(Uses .188" I.D. Hose & Clamps)
35	34400.0208	-	Adapter Kit, 14.0" Feed End (Incl. items 13,16, 19 & 38)(Uses .188" I.D. Hose & Clamps)
36	33159.1000	-	Tube, Silicone .375" ID x 12.0" (Use as required)
	33159.1001	-	Tube, Silicone .375" ID x 36.0" (Use as required)
37	28526.1000	-	Tube, Silicone .313" ID x 12.0" (Use as required)
	28526.1001	-	Tube, Silicone .313" ID x 36.0" (Use as required)
	28526.1002	-	Tube, Silicone .313" ID x 60.0" (Use as required)
38	M2531.0001	-	Lube Compound .30 oz.
39	34726.1000	-	Tube, Norprene .125" I.D. x 10.0" (Use as required)
40	11707.1000	-	Tube, Silicone .25" ID x 12.0" (Use as required)
	11707.1001	-	Tube, Silicone .25" ID x 36.0" (Use as required)
	11707.1002	-	Tube, Silicone .25" ID x 120.0" (Use as required)
41	34202.0050	-	Repair Kit, Dispense Valve (Includes items for 1 Valve)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



P2590

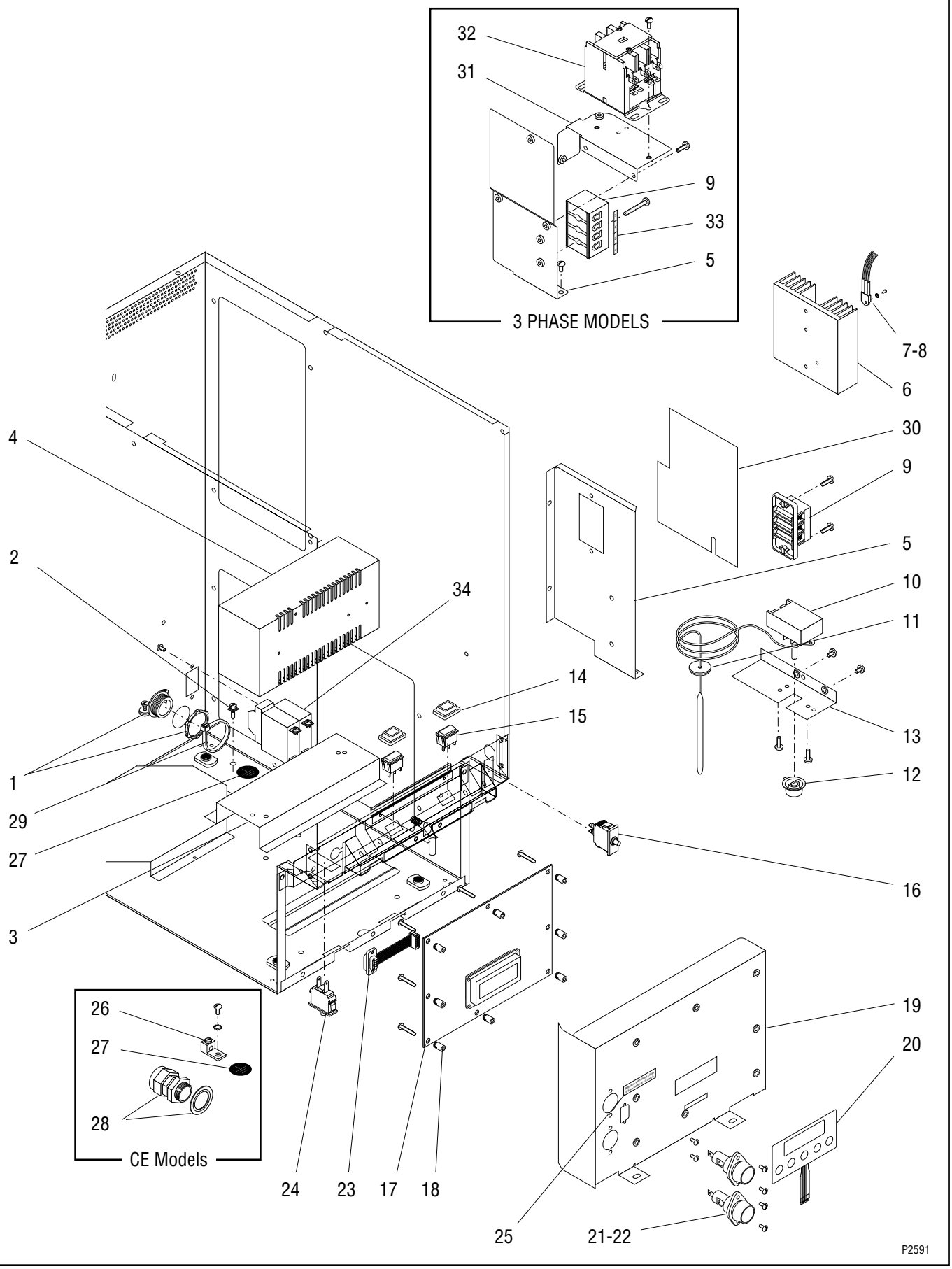
DIR Num: 36027.0001 15, July 2014

PUMP ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
-	34682.1000	1	Pump Assy. (Includes items 2 - 21)
1	34536.0001	2	Motor
2	32654.0000	2	Magnet Hub
	01512.0000	2	Lockwasher, Ext.-tooth #10
	01331.0004	2	Screw, Round Head Sltd. Locking #10-32 x .50"
3	33608.1000	2	RPM Sensor
	02336.0000	4	Screw, Truss Head Sltd. #4-40 x .38"
4	32957.0000	8	Bushing, Rubber
5	34748.0000	1	Insulation
6	34193.0000	1	Bracket, Pump Mounting
	01315.0005	4	Screw, Truss Head BLK #8-32 x .50"
7	34166.0002	2	Block
	02328.0003	8	Screw, Pan Head Sltd. #6-32 x .312"
8	33825.0000	2	Bearing
9	32928.0000	2	Insert, Threaded #10-32
10	32927.0000	8	Shoulder Bolt #10-32
11	32706.1000	2	Rotor
12	32652.0000	2	Ring, Retaining
13	34998.0000	2	E-ring
14	34167.0000	2	Cover
15	34997.0000	2	Thumb Screw #10-32 x .625"
16	34765.0000	2	Nut, Flanged #10-32
17	32609.0000	2	Standoff
18	01311.0001	2	Screw, Truss Head Sltd. Locking #8-32 x .25"
19	40030.1000	2	Compression Band Assy.
20	36149.0000	2	Fastener, Snap in
21	00617.0000	1	Cable Tie

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

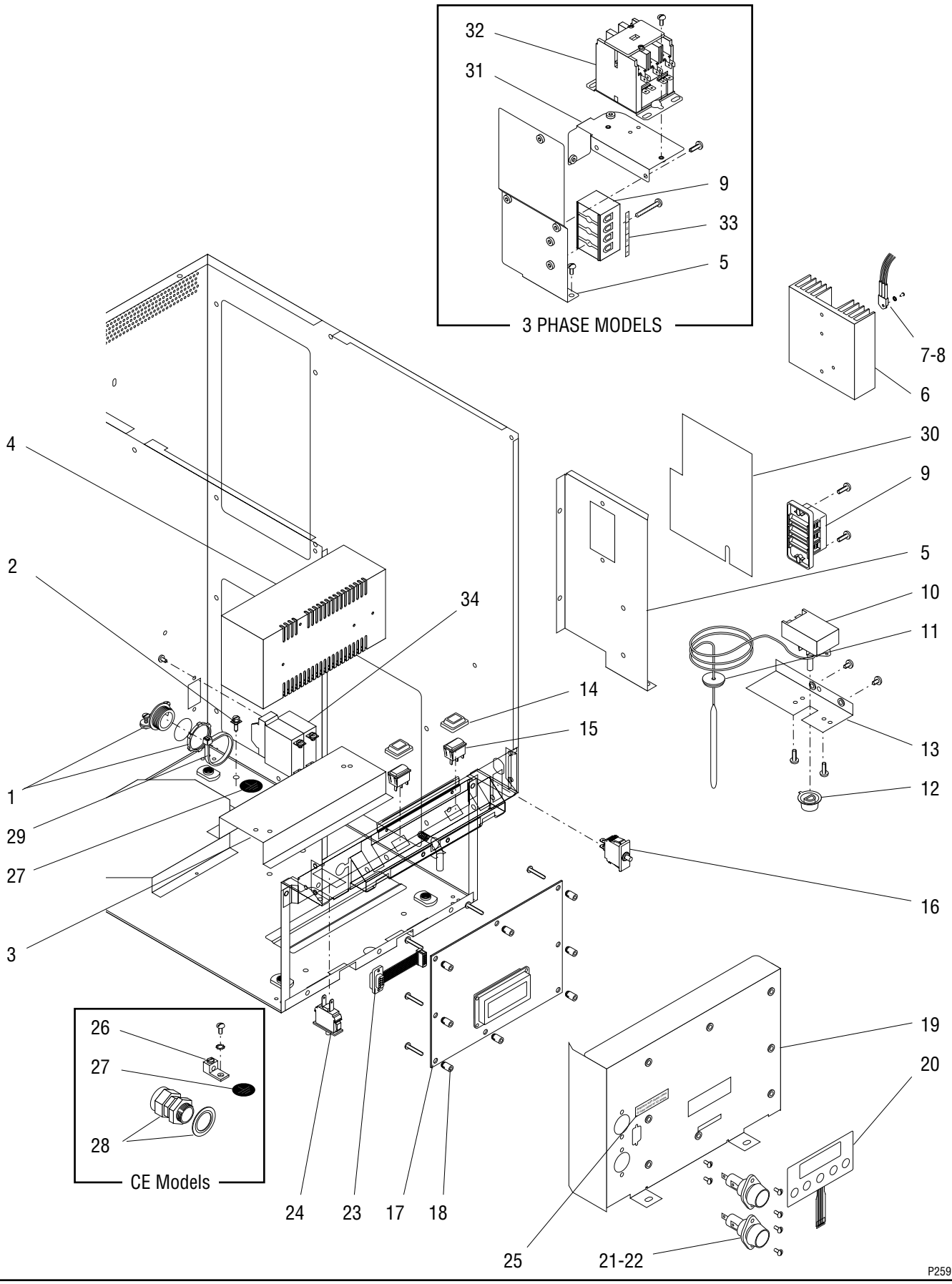
ELECTRICAL CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	01590.0000	1	Cable Connector
2	01309.0000	1	Screw, Grounding #10-32 x .50"
3	34345.0001	1	Bracket
	01311.0000	1	Screw, Truss Head Sltd. #8-32 x .25"
4	33363.0003	1	Power Supply
	32283.0000	3	Screw, M4 x 6mm
5	34164.0000	1	Bracket
	38814.0000	1	Bracket (3 Phase models only)
	01311.0003	2	Screw, Truss Head Sltd. Blk #8-32 x .25"
	01311.0000	1	Screw, Truss Head Sltd. SST #8-32 x .25"
6	20541.0001	1	Heat Sink
	01347.0000	2	Screw, Truss Head Serr. #6-32 x .38"
7	12565.0011	1	Triac, 40A
	12565.0020	1	Triac, 40A (3 Phase models only)
	01520.0000	1	Lockwasher, Split #6
	02328.0003	1	Screw, Pan Head Sltd. #6-32 x .312"
8	M2522.1000	-	Heat Sink Compound
9	07038.0000	1	Terminal Block, 3-Pole
	01106.0003	1	Terminal Block, 2-Pole (230V CE models)
	01317.0000	2	Screw, Truss Head Sltd. #8-32 x .50"
	21869.0000	1	Terminal Block, 4-Pole (3 Phase models only)
	38030.0000	2	Screw, Fil Head #8-32 x 1.25"
10	07045.0004	1	Thermostat (Includes items 11, 12 & 13)(Early Models)
	02301.0001	2	Screw, Pan Head Phillips #6-32 x .312"
11	07073.0001	1	Grommet, Thermostat (Early Models)
12	00720.0000	1	Knob (Early Models)
13	28224.0001	1	Bracket (Early Models)
	01311.0003	2	Screw, Truss Head Sltd. Blk #8-32 x .25"
14	34390.0000	2	Cap, Rocker Switch
15	27437.0001	2	Switch, Selector
16	34386.0000	1	Switch, Door Open
17	34197.1003	1	Circuit Board, Control
	38123.0000	8	Screw, Truss Head #6-32 x 1.00"
18	29081.0003	8	Spacer
19	38492.0000	1	Bracket
	34380.0000	1	Bracket (230V CE & 3 Phase models only)
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"

(Continued)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

ELECTRICAL CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
20	34205.1000	1	Membrane Switch
21	21741.0000	2	Fuse Holder (230V CE & 3 Phase models only)
	02328.0003	4	Screw, Pan Head Sltd. #6-32 x .312"
22	22012.0000	2	Fuse, 10A (230V CE & 3 Phase models only)
23	34393.0000	1	Cable, Ribbon
	02327.0002	2	Screw, Pan Head Sltd. Locking #4-40 x .312"
24	34386.0000	1	Switch, Dispense Volume Memory
25	27443.0001	1	Decal, Fuse Rating (230V CE & 3 Phase models only)
26	27705.0000	1	Terminal Lug (230V CE & 3 Phase models only
	01375.0000	1	Screw, Pan Head Brass #10-32 x .50"
	01512.0000	1	Lockwasher, Ext.-tooth #10
27	00824.0002	1	Decal, Ground
28	32833.0000	1	Strain Relief, Cord (230V CE & 3 Phase models only)
	01531.0000	1	Washer, Reducing
29	36329.0002	1	Cable Tie, Power Cord Retainer
30	00637.0007	1	Shield. Terminal Block
31	38817.0000	1	Bracket, Contactor Mounting (3 Phase models only)
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"
32	38045.0000	1	Contactor, 3-Pole 208/240V (3 Phase models only)
	01311.0000	2	Screw, Truss Head Sltd. #8-32 x .25"
33	34588.0001	1	Decal, Terminal Block (3 Phase models only)
34	38894.0001	1	Switch, Master ON/OFF (Late Models)
	01308.0003	2	Screw, truss Head, Locking BLK #6-32 x .25"
	01327.0000	4	Screw, Pan Head #10-32 x .38" — Terminals
	01512.0000	4	Lockwasher #10 — Terminals

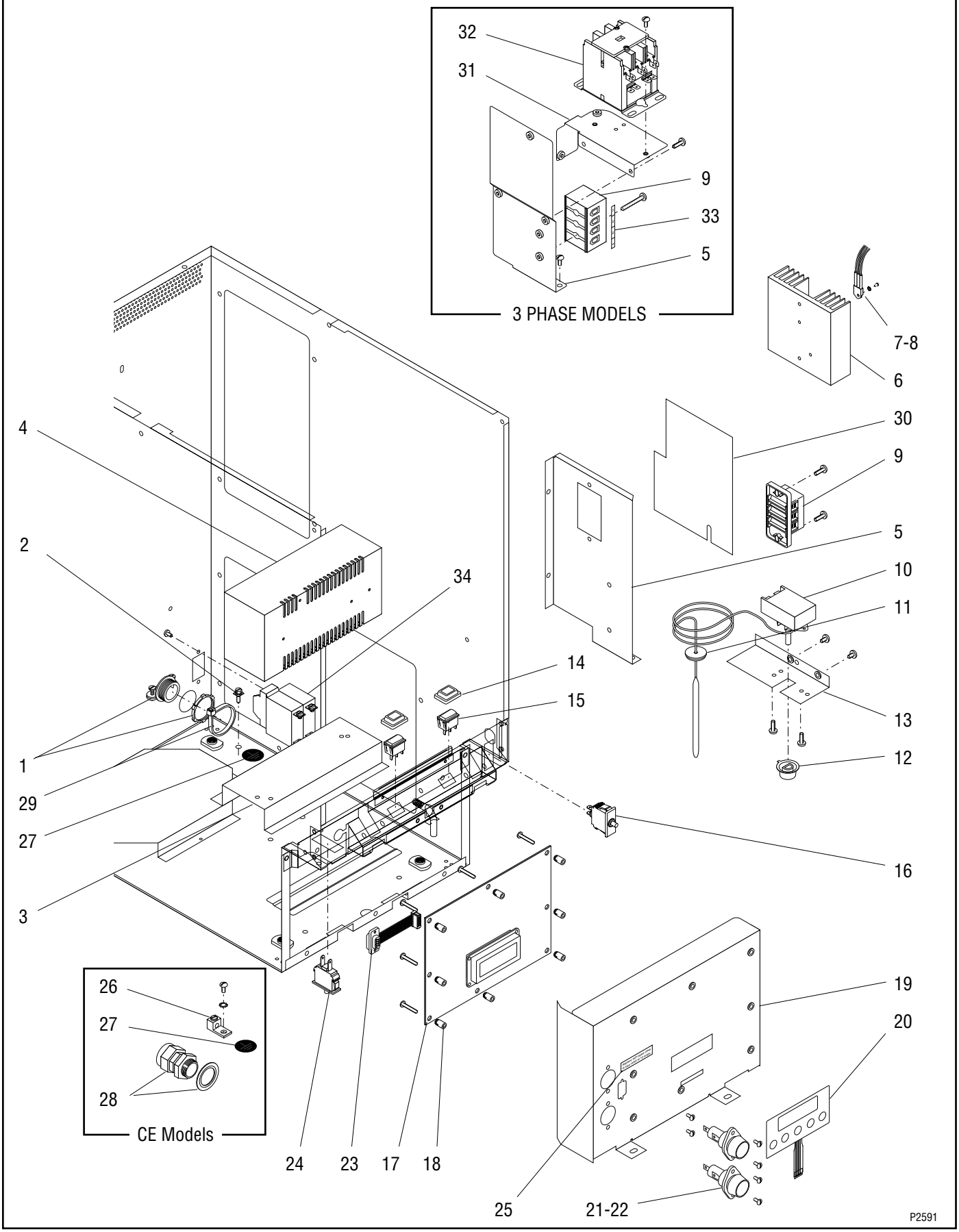
The following items are not illustrated

35	20630.0005	1	Power Cord (LCR-2 Models only)
	23799.0001	1	Power Cord (LCR-2C Models only)
	42749.0112	1	Power Cord (LCR-2A Models only)
36	34534.0000	1	Harness, Main Wiring (Early models)
	36798.0000	1	Harness, Main Wiring (Late models)
	34534.0001	1	Harness, Main Wiring (230V CE models)(Early models)
	36798.0001	1	Harness, Main Wiring (230V CE models)(Late models)
	36798.0002	1	Harness, Main Wiring (3 Phase models only)
37	34535.0000	1	Harness, Switches/Power (Early models)
	38570.0001	1	Harness, Switches/Power (Late models)
38	34519.0000	1	Harness, Portion Control Wiring (Early models)
39	34523.0000	1	Harness, Motors Wiring

(Continued)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014



DIR Num: 36027.0001 15, July 2014

ELECTRICAL CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
40	34525.0000	1	Harness, T-block to Tank Heater & Limit
	34525.0001	1	Harness, T-block to Tank Heater & Limit (Master ON/OFF Switch)
41	34526.0000	1	Harness, Probe Wiring (Early models)
42	36045.0000*	1	Harness, Refrigeration (Early models)
43	34961.0000	1	Harness, Tube Warmer Wiring (Early models)
44	21014.0196	1	Lead, Thermostat Blk 30.0" (Early Models)
45	35081.0000	1	Wire, Double Limit Jumper (230V CE models)
46	36049.0000	1	Jumper - Compressor Module
	36049.0007	1	Jumper - Compressor Module (High Flow)
47	36049.0003	1	Jumper, Circuit Board (Models with Pull and Hold Controls)
	36049.0007	1	Jumper, Circuit Board (Models with Pull and Hold Controls) (High Flow)
	36049.0001	1	Jumper, Circuit Board (Models with Portion Controls)
	36049.0008	1	Jumper, Circuit Board (Models with Portion Controls)(High Flow)
	36049.0006	1	Jumper, Circuit Board (3 Phase models with Portion Controls)
48	37518.0001	1	Harness, Door Wiring (Late models)
49	21012.0133	3	Lead, Electric 12AWG Blue 6.0"
50	39621.0000	1	Wiring Harness, Contactor to Tank Heater
51	39621.0001	1	Wiring Harness, Terminal block to Contactor
52	39621.0002	1	Wiring Harness, Protection
53	39630.0000	1	Capacitor Assy, W/Leads (3 Phase Models)
54	38920.0000	1	Wiring Harness, Master ON/OFF Switch to Terminal Block
55	34808.0002	1	Capacitor, EMI Filter (3 Phase Models)

* Indicates the part number listed is for reference only. See DESCRIPTION for possible service replacement.

DIR Num: 36027.0001 15, July 2014

NUMERICAL INDEX

PART NO.	PAGE NO.
00467.0000	19
00606.0000	17
00617.0000	17,31
00637.0007	35
00656.0001	5
00720.0000	33
00824.0002	35
00901.0000	17
00906.0000	23
00908.0000	23
00910.0000	25
00946.0000	23
00970.0000	23,27
00971.0000	23
00973.0000	25
00986.0002	5
01106.0003	33
01219.0000	9,13
01308.0003	7,35
01309.0000	33
01311.0000	9,11,13
01311.0000	17,33,35
01311.0001	31
01311.0003	5,7
01315.0000	27
01315.0005	5,7,23,31
01317.0000	33
01322.0001	9,13
01326.0000	23
01326.0008	17
01327.0000	17,35
01331.0004	31
01347.0000	33
01375.0000	35
01382.0000	5, 9,13,17
01384.0000	17
01501.0000	23
01512.0000	31,35
01520.0000	33
01522.0000	25
01526.0001	5
01531.0000	35
01590.0000	33
02301.0001	33
02327.0002	35
02328.0003	33,35
02336.0000	31
02370.0003	17
02536.0000	5,23,25
02547.0000	13
03633.0000	23
03803.0002	23
03807.0000	23
05515.0000	23
05920.0000	27
07038.0000	33
07045.0004	33
07073.0001	23,33
11630.0001	25
11646.0002	5
11707.0029	27
11707.0040	5
11707.1000	7,29
11707.1001	7,29
11707.1002	7,29
12322.1000	23
12377.0000	23
12398.0002	23
12422.0000	5,27
12422.0001	5,25
12422.0003	27
12422.0005	25
12422.0006	27
12422.0007	27
12565.0011	33
12565.0020	33
12570.0000	23
20203.0100	23
20541.0001	33
20630.0005	35
20936.1000	23
20976.0005	25
20976.0046	27
20976.0055	25
20976.0067	23
20976.0068	25
20976.0072	25
20976.1000	25
20976.1001	25
21012.0133	37
21014.0196	37
21431.0003	17
21741.0000	35
21869.0000	33
22012.0000	35
22728.0002	23
23717.0003	23
23799.0001	35
24733.0011	27
26444.0000	9
26528.0000	5
26622.0002	23
27437.0001	33
27442.0000	7
27443.0001	35
27705.0000	35
28095.0000	5
28181.0003	7
28224.0001	33
28526.0002	27
28526.0020	5
28526.1000	7,29
28526.1001	7,29
28526.1002	7,29
29081.0003	33
29329.0003	25
29504.0004	9,13
29576.0000	27
29710.0014	7
32283.0000	33
32609.0000	31
32652.0000	31
32654.0000	31
32656.0000	5
32706.1000	31
32833.0000	35
32927.0000	31
32928.0000	31
32957.0000	31
33039.0001	9,13
33159.1000	29
33159.1001	29
33160.0000	27
33297.0002	17
33363.0003	33
33418.0001	23
33434.1000	9,13
33434.1002	9,13
33461.0002	7
33461.0003	7
33608.1000	31
33825.0000	31
33926.1001	23
34150.0000	9
34152.0003	5
34158.1002	23
34160.0000	23
34160.0001	23
34164.0000	33
34166.0002	31
34167.0000	31
34186.1006	5
34190.0000	7
34193.0000	31
34194.1001	7
34197.1003	33
34198.0000	27
34202.0000	27
34202.0050	29
34205.1000	35
34283.0001	9,13
34284.1011	9
34284.1012	9
34334.0000	9
34335.0002	5
34340.0000	11,13
34340.1000	9,13
34341.1000	9,13
34345.0001	33
34346.1000	27
34361.0000	9
34362.0000	9,13
34362.0001	9
34366.0000	5
34379.0002	5
34380.0000	33
34384.0000	27
34385.0001	5
34385.0003	5
34386.0000	33,35
34387.0000	9,13
34390.0000	33
34392.0000	25
34393.0000	35
34400.0200	29
34400.0201	29
34400.0202	29
34400.0203	29
34400.0204	29
34400.0205	29
34400.0208	29
34472.1000	5
34473.0000	9
34519.0000	35
34523.0000	35
34525.0000	37
34525.0001	37
34526.0000	37
34527.0000	9
34531.1000	9
34534.0000	35
34534.0001	35
34535.0000	35
34536.0001	31
34588.0001	35
34612.0000	25
34644.0000	27
34666.0001	15
34667.0000	9
34667.0001	13
34682.1000	31
34684.0000	23
34689.0000	27
34702.0000	15
34708.0000	9,13
34709.0000	11,13

DIR Num: 36027.0001 15, July 2014

NUMERICAL INDEX

PART NO.	PAGE NO.
34710.0000	11,13
34711.0000	9,13
34712.0000	9,13
34713.0000	31
34714.0000	27
34715.0000	27
34726.0001	29
34726.1000	29
34727.1000	27
34727.1001	27
34728.0000	27
34728.1000	27
34729.0000	27
34729.0001	27
34742.0000	9,13
34748.0000	31
34765.0000	31
34768.0000	25
34783.0000	5
34803.1000	17
34807.0000	27
34808.0002	37
34809.0001	9,13
34821.1000	5
34893.0001	7
34895.0000	23
34960.0000	5
34960.0001	5
34961.0000	37
34962.1000	27
34997.0000	31
34998.0000	31
35053.0000	27
35054.0000	29
35055.1000	27
35056.1000	27
35057.0000	27
35057.0001	27
35081.0000	37
35087.0000	11
35188.0000	5
35581.0001	19
35820.0000	19
35821.0000	17
35822.0000	21
35822.0001	21
35823.0000	17
35825.0001	5
35827.0000	17
35829.0001	7
35830.0000	17
35833.0000	7
35834.0000	17
35836.0000	17
35838.0000	17
35851.0000	25
35883.0003	7
35884.1003	7
35887.0000	17
35888.0000	17
35890.0001	7
35891.0000	17
35959.0000	15
35961.0000	21
35962.0000	21
35963.0000	21
35965.0000	17
36010.0000	19
36011.0000	7
36012.0000	11
36016.0000	17
36019.0001	19
36021.0001	19
36025.0001	7
36025.0002	7
36025.0004	7
36037.0000	17
36045.0000	37
36049.0001	37
36049.0003	37
36049.0006	37
36049.0007	37
36049.0008	37
36050.0001	17
36056.0000	17
36077.0001	17
36113.1001	15
36117.0000	17
36118.0000	17
36149.0000	7,15,31
36308.0001	19
36329.0002	25,35
36476.0000	25
36554.0000	11,13
36673.0000	11,13
36785.0000	11,13
36786.0000	11,13
36798.0000	35
36798.0001	35
36798.0002	35
37518.0001	37
37850.0000	5
37881.0000	7
37970.0000	29
38030.0000	33
38044.0000	9,13
38045.0000	35
38123.0000	33
38301.0001	17
38433.0000	5
38492.0000	33
38570.0001	35
38735.1000	9,13
38814.0000	33
38817.0000	35
38818.1000	23
38820.0000	7
38821.0000	25
38894.0001	35
38920.0000	37
38948.0001	25
39621.0000	37
39621.0001	37
39621.0002	37
39630.0000	37
39762.0000	5
39829.0000	25
39999.1000	5
40030.1000	31
40054.0003	7
40087.0000	13
40091.0000	13
40092.0000	13
40094.0000	13
40095.0000	13
40831.0000	25
41179.1000	23
41259.0002	25
41266.0000	25
41512.0000	13
41925.0011	13
41925.1012	13
42276.0000	5
42749.0112	35
48817.0000	15
M2336.1000	19
M2522.1000	33
M2531.0001	29

DIR Num: 36027.0001 15, July 2014